



06/13/90 12/21/90 JPH

110055/60
OLD S.N 0350C

IF CONSUMER PAYMENT IS LESS THAN MERCHANT CREDIT LIMIT, PROCESS PAYMENT AS ACH ITEM REGARDLESS OF THE CREDIT LIMIT TOTAL. EXCLUDE THESE ITEMS FROM ACCUMULATION OF ACH TRANSACTIONS INTO THE CREDIT LIMIT TOTAL.

EXPAND SOURCE CODE CHECK FOR PAY BY PHONE FROM 'N' TO 'N14'.

03/08/91 JPH COMMIT WORKS AND RESTART PROCESSING.

04/11/91 KAB CHANGED THE 'ROLLOVER DATE' HEADING TO 'EXTRA PMT.' AND OMITTED THE 'ROLLOVER AMT' HEADING. ALSO, CHANGED THE DRAFT ERROR REPORT TO SHOW STATUS CODES AND ADDED TOTALS BY STATUS.

04/19/91 PAM ADD CODE TO USE PAPER OR ELECTRONIC RT IF EFT CODE = 'B'.

05/25/91 JLF ELECTRONIC REMITTANCE PROCESSING.

06/05/91 JPH CORRECT PAYMENT ROLLOVER ERRORS FOR WEEKLY OR BIWEEKLY PAYMENTS.

ENVIRONMENT DIVISION.
CONFIGURATION SECTION.
INPUT-OUTPUT SECTION.
FILE-CONTROL.

SELECT DATE-FILE

ASSIGN TO DA-IDFILE
ORGANIZATION IS INDEXED
ACCESS MODE IS DYNAMIC
RECORD KEY IS COMP-CTL-KEY
FILE STATUS IS COMP-STATUS.

SELECT MERCHANT-FILE

ASSIGN TO DA-MERCHANT
ORGANIZATION IS INDEXED
ACCESS MODE IS RANDOM
RECORD KEY IS MMR-KEY
FILE STATUS IS MMR-STAT.

SELECT TRANSMISSION-FILE

ASSIGN TO UT-S-TRANSMISSION.

SELECT ROLLOVER-REPORT ASSIGN TO UT-S-SYS020.

000102 01/02/91
000103 01/02/91
000104 01/02/91
000105 01/02/91
000106 01/02/91
000107 01/02/91
000108 01/02/91
000109 02/10/91
000190 02/10/91
000191 03/13/91
000192 03/13/91
000193 03/13/91
000194 04/14/91
000195 04/14/91
000196 04/14/91
000197 04/14/91
000198 04/14/91
000199 04/14/91
000200 04/20/91
000201 04/20/91
000202 04/20/91
000203 06/05/91
000204 06/05/91
000205 06/05/91
000206 06/05/91
000207 06/05/91
000208 06/05/91
000209 06/05/91
000210 06/05/91
000211 06/05/91
000212 06/05/91
000213 06/05/91
000214 06/05/91
000215 06/05/91
000216 06/05/91
000217 06/05/91
000218 06/05/91
000219 06/05/91
000220 06/05/91
000221 06/05/91
000222 06/05/91
000223 06/05/91
000224 06/05/91
000225 06/05/91
000226 06/05/91
000227 06/05/91
000228 06/05/91
000229 06/05/91
000230 06/05/91
000231 06/05/91
000232 06/05/91

05/25/91

Exhibit A

SELECT ERROR-REPORT ASSIGN TO UT-S-SYS021.
 SELECT SUMMARY-REPORT ASSIGN TO UT-S-SYS022.
 SELECT CARDIN ASSIGN TO UT-S-CARDIN.
 SELECT PAY-TABLE-INPUT ASSIGN TO UT-S-PAYTABLIN.
 SELECT PAY-TABLE-OUTPUT ASSIGN TO UT-S-PAYTBLOT.

DATA DIVISION.
 FILE SECTION.

FD DATE-FILE.
 01 DATE-RECORD.
 05 COMP-CTL-KEY
 05 COMP-CTL-REC
 PIC X(10).
 PIC X(400).

FD MERCHANT-FILE.
 -INC FMERCHANT

FD TRAHOLD-FILE
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 -INC FVDRFTM

FD DRFTTEN-FILE
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 DRFTTEN-RECORD
 PIC X(142).

FD ROLLOVER-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 ROLLOVER-REPORT-LINE
 PIC X(142).

FD ERROR-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 ERROR-REPORT-LINE
 PIC X(142).

FD SUMMARY-REPORT
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 SUMMARY-REPORT-LINE
 PIC X(142).

FD CARDIN
 RECORDING MODE F
 BLOCK CONTAINS 0 RECORDS.
 01 CARDIN-LINE
 PIC X(80).

000233	
000234	
000235	
000236	
000237	
000238	
000239	03/13/91
000240	03/13/91
000241	03/13/91
000242	03/13/91
000243	
000244	
000245	
000246	01/02/91
000247	
000248	
000249	
000250	
000251	01/02/91
X 000252	11/14/90
000253	
000254	
000255	01/02/91
000256	
X 000257	04/20/91
000258	
000259	
000260	01/02/91
000261	
000262	03/13/91
000263	
000264	
000265	01/02/91
000266	
000267	03/13/91
000268	
000269	
000270	01/02/91
000271	
000272	03/13/91
000273	
000274	
000275	01/02/91
000276	
000277	03/13/91
000278	
000279	
000280	01/02/91
000281	
000282	
000283	03/13/91

FD PAY-TABLE-INPUT
RECORDING MODE F
BLOCK CONTAINS 0 RECORDS.
01 PAY-TBL-INPUT-REC PIC X(25).

FD PAY-TABLE-OUTPUT
RECORDING MODE F
BLOCK CONTAINS 0 RECORDS.
01 PAY-TBL-OUTPUT-REC PIC X(25).

WORKING-STORAGE SECTION.

77 FILLER PIC X(37) VALUE
'PDB00010 WORKING-STORAGE BEGINS HERE'.

EXEC SQL INCLUDE PBT001 END-EXEC.

EXEC SQL INCLUDE PBT002 END-EXEC.

EXEC SQL INCLUDE PBT006 END-EXEC.

EXEC SQL INCLUDE PBT007 END-EXEC.

EXEC SQL INCLUDE PBT010 END-EXEC.

EXEC SQL INCLUDE PBT900 END-EXEC.

77 SQL-DRAFT-DATE PIC S9(6) COMP VALUE ZEROS.
77 SQL-PREV-SSN PIC S9(9) COMP VALUE ZEROS.

EXEC SQL INCLUDE SQLCA END-EXEC.

-IMC SQLFLDS

77 COMP-STATUS PIC X.
77 WS-COMP-KEY PIC X(10) VALUE 'AAA'.

FFPRODATE

* THE FOLLOWING SWITCH CAN BE INITIALIZED TO 'Y'.
* TO INDICATE THAT CERTAIN CODE THAT SHOULD (OR SHOULD NOT)
* BE EXECUTED DURING A NON-PRODUCTION RUN.
* UPDATES OF THE DB2 TABLES ARE BYPASSED AND A CHECK AMOUNT OF
* ZERO IS USED WHEN THE SWITCH IS SET TO 'Y'.

01 TEST-PCM-SW PIC X(1) VALUE 'N'.
03 TEST-PCM PIC X(1) VALUE 'Y'.

000204	05/13/91
000205	05/13/91
000206	05/13/91
000207	05/25/91
000208	05/13/91
000209	05/13/91
000290	05/13/91
000291	05/13/91
000292	05/25/91
000293	05/13/91
000294	05/13/91
000295	
000296	
000297	
000298	
000299	
000300	
000301	
000302	
000303	
000304	
000305	05/25/91
000306	05/25/91
000307	05/25/91
000308	05/25/91
000309	05/25/91
000310	05/13/91
000311	05/13/91
000312	
000313	05/13/91
000314	
000315	
000316	
000317	
X 000318	11/14/90
000319	
000320	
000321	
000322	
X 000323	11/14/90
000324	
000325	05/25/91
000326	05/25/91
000327	05/25/91
000328	05/25/91
000329	05/25/91
000330	05/25/91
000331	05/25/91
000332	05/25/91
000333	05/25/91
000334	

 * LEVEL 08 SWITCHES *

01 PROGRAM-INDICATORS.

05	PAYTBL-INPUT-EOF-SW	PIC X	VALUE 'N'.	000335	05/25/91
06	END-OF-TBLIN		VALUE 'Y'.	000336	03/13/91
06	NOT-END-OF-TBLIN		VALUE 'N'.	000337	03/13/91
05	INPUT-EOF-SW	PIC X	VALUE 'N'.	000338	03/13/91
06	EOF		VALUE 'Y'.	000339	
05	PAY-BY-PHONE-SW	PIC X	VALUE 'N'.	000340	
06	PAY-BY-PHONE		VALUE 'Y'.	000341	
05	IS-CONSUMER-IN-ERROR	PIC X	VALUE 'Y'.	000342	
06	CONSUMER-IN-ERROR		VALUE 'N'.	000343	
05	ARE-MRCH-RO-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	000344	
06	MRCH-RO-HEADINGS-NOT-WRITTEN		VALUE 'N'.	000345	
05	ARE-CONVS-RO-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	000346	
06	CONVS-RO-HEADINGS-NOT-WRITTEN		VALUE 'N'.	000347	
05	ARE-MRCH-ERR-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	000348	
06	MRCH-ERR-HEADINGS-NOT-WRITTEN		VALUE 'N'.	000349	
05	ARE-CONVS-ERR-HEADINGS-WRITTEN	PIC X	VALUE 'Y'.	000350	
06	CONVS-ERR-HEADINGS-NOT-WRITTEN		VALUE 'N'.	000351	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000352	
06	MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000353	
05	ARE-CONVS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000354	
06	CONVS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000355	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000356	
06	MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000357	
05	ARE-CONVS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000358	
06	CONVS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000359	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000360	
06	MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000361	
05	ARE-CONVS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000362	
06	CONVS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000363	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000364	
06	MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000365	
05	ARE-CONVS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000366	
06	CONVS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000367	
05	ARE-MRCH-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000368	
06	MRCH-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000369	
05	ARE-CONVS-ERR-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000370	
06	CONVS-ERR-DETAIL-NOT-WRITTEN		VALUE 'N'.	000371	
05	ARE-MRCH-RO-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000372	
06	MRCH-RO-DETAIL-NOT-WRITTEN		VALUE 'N'.	000373	
05	ARE-CONVS-RO-DETAIL-WRITTEN	PIC X	VALUE 'Y'.	000374	
06	CONVS-RO-DETAIL-NOT-WRITTEN		VALUE 'N'.	000375	
05	IS-RECORD-IN-ERROR	PIC X	VALUE 'Y'.	000376	
06	RECORD-IN-ERROR		VALUE 'N'.	000377	
05	IS-PAY-TABLE-ITEM-FOUND	PIC X	VALUE 'Y'.	000378	
06	PAY-TABLE-ITEM-FOUND		VALUE 'N'.	000379	
05	IS-PAY-TABLE-ITEM-NOT-FOUND	PIC X	VALUE 'Y'.	000380	
06	PAY-TABLE-ITEM-NOT-FOUND		VALUE 'N'.	000381	
05	IS-PAY-TABLE-SORTED	PIC X	VALUE 'Y'.	000382	
06	PAY-TABLE-SORTED		VALUE 'N'.	000383	
05	IS-PAY-TABLE-SORTED	PIC X	VALUE 'Y'.	000384	
06	PAY-TABLE-SORTED		VALUE 'N'.	000385	

00 PAY-TABLE-IS-SORTED VALUE 'Y'.
00 PAY-TABLE-IS-NOT-SORTED VALUE 'N'.

05 ALL-STLCODE-PROCESSED-SW PIC X(1) VALUE 'N'.
00 ALL-STLCODE-PROCESSED VALUE 'Y'.
00 ALL-STLCODE-NOT-PROCESSED VALUE 'N'.

05 STLCODE-IN-TABLE-SW PIC X(1) VALUE 'N'.
00 STLCODE-IN-TABLE VALUE 'Y'.
00 STLCODE-NOT-IN-TABLE VALUE 'N'.

N NUMERIC CONVERTERS
N 77 LEVEL

77 PNR-STAT PIC X(1) VALUE '00'.
77 WS-77-SSN PIC 9(09) VALUE ZEROS.
77 WS-77-AMOUNT PIC 9(07)V99 VALUE ZEROS.
77 WS-77-PHONE PIC 9(10) VALUE ZEROS.
77 WS-77-CR-PHONE PIC 999 VALUE ZEROS.
77 WS-77-DATE PIC 9(06) VALUE ZEROS.
77 WS-77-DATE-7DIGITS PIC 9(07) VALUE ZEROS.
77 WS-77-TRACE-MBR PIC 9(06) VALUE ZEROS.

N PROGRAM COUNTERS

77 ADVANCE-AMOUNT PIC 999 VALUE ZEROS.

01 WS-CREDIT-LIMIT PIC S9(05)V99 VALUE ZERO.

01 ACH-OFFSET-DOLLARS PIC S9(09)V99 VALUE ZERO.

N DB2 RESTART FIELDS
N

01 WS-RESTART-WORK-FIELDS.

05 WS-PROGRAM-NAME PIC X(6).

05 WS-LAST-KEY PIC X(250).

05 WS-RESTART-KEY REDEFINES WS-LAST-KEY.

10 WS-PRIMARY-KEY-COMMITTED PIC X(009).

10 FILLER PIC X(241).

05 RESTART-RESPONSE PIC X(01) VALUE SPACE.

05 WS-COMMIT-INTERVAL PIC S9(9) COMP VALUE 0.

05 WS-COMMIT-COUNTER PIC S9(9) COMP VALUE 0.

01 WS-TOTALS.

05 WS-LAST-COMMIT-COUNT PIC 9(09) VALUE 0.

000306	05/25/91
000307	05/25/91
000308	05/25/91
000309	05/25/91
000310	05/25/91
000311	05/25/91
000312	05/25/91
000313	05/25/91
000314	05/25/91
000315	05/25/91
000316	05/25/91
000317	05/25/91
000318	05/25/91
000319	05/25/91
000320	05/25/91
000321	05/25/91
000322	05/25/91
000323	05/25/91
000324	05/25/91
000325	05/25/91
000326	05/25/91
000327	05/25/91
000328	05/25/91
000329	05/25/91
000330	05/25/91
000331	05/25/91
000332	05/25/91
000333	05/25/91
000334	05/25/91
000335	05/25/91
000336	05/25/91

01 WS-HOLD-DRAFT.

PIC X.

VALUE 'B'.

05 DRAFT-EXTENSION

PIC X(79)

VALUE 'E'.

05 FILLER

PIC X

VALUE SPACES.

01 WS-HOLD-ACH.

PIC X

VALUE 'B'.

05 DAY-NIGHT-ACH

PIC X(79)

VALUE 'E'.

05 FILLER

PIC X(77)

VALUE SPACES.

01 WS-ROLLBACK-CNT.

PIC 999

VALUE 110.

05 WS-ROLLBACK-CNTR

PIC X(77)

VALUE SPACES.

01 WS-ROLLBACK-COUNT

PIC 999

VALUE 0.

DRAFTITEM

01 WS-PHONE-NUMBER-AREA.

PIC 999

VALUE ZEROS.

05 WS-PHONE-NUMBER-IN.

PIC 999

VALUE ZEROS.

10 WS-AREA-CODE-IN

PIC X

VALUE ' '.

10 WS-PHONE-EXT-IN

PIC 999

VALUE ZEROS.

05 WS-PHONE-NUMBER-OUT.

PIC 999

VALUE ZEROS.

10 WS-AREA-CODE-OUT

PIC X

VALUE ' '.

10 WS-PHONE-EXT-OUT

PIC 999

VALUE ZEROS.

01 WS-TRACE-NUMBER-AREA.

PIC 9

VALUE ZEROS.

10 FILLER

PIC 99

VALUE ZEROS.

10 WS-TRACE-YY

PIC 999

VALUE ZEROS.

 * SSN AREA *

01 WS-SSN-AREA.

05 WS-SSN-IN.

10 WS-SSN-1ST3-IN
 10 WS-SSN-2ND2-IN
 10 WS-SSN-LAST4-IN

PIC 999
 PIC 99
 PIC 9999

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

05 WS-SSN-OUT.

10 WS-SSN-1ST3-OUT
 10 FILLER
 10 WS-SSN-2ND2-OUT
 10 FILLER
 10 WS-SSN-LAST4-OUT

PIC 999
 PIC X
 PIC 99
 PIC X
 PIC 9999

VALUE ZEROS.
 VALUE '-'.
 VALUE ZEROS.
 VALUE '-'.
 VALUE ZEROS.

 * COMPARE VARIABLES *

77 WS-CARDIN-SN

06 MORE-CARDIN
 06 NO-MORE-CARDIN

PIC X

VALUE 'Y'.
 VALUE 'Y'.
 VALUE 'N'.

05/25/91

77 WS-STATUS-A-CNT
 77 WS-STATUS-I-CNT
 77 WS-STATUS-F-CNT
 77 WS-STATUS-D-CNT
 77 WS-STATUS-P-CNT
 77 WS-STATUS-C-CNT
 77 WS-STATUS-TOT-CNT

PIC 9(6)
 PIC 9(6)
 PIC 9(6)
 PIC 9(6)
 PIC 9(6)
 PIC 9(6)
 PIC 9(6)

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

05/25/91
 05/25/91
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 * PCN DATE FIELDS *

01 WS-DATE-WORK.

05 WS-HOLD-DATE-FFMMDDYY.

10 HOLD-F-FFMMDDYY
 10 HOLD-H-FFMMDDYY
 10 HOLD-D-FFMMDDYY
 10 HOLD-Y-FFMMDDYY

PIC 9(02)
 PIC 9(02)
 PIC 9(02)
 PIC 9(02)

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

05 WS-HOLD-DATE.

10 HOLD-MONTH
 10 HOLD-DAY
 10 HOLD-YEAR

PIC 9(02)
 PIC 9(02)
 PIC 9(02)

VALUE ZEROS.
 VALUE ZEROS.
 VALUE ZEROS.

000539
 000540
 000541
 000542
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 000588
 000589

05	WS-YEAR-WORK.	PIC X(02)	VALUE ZEROS.	000590	
10	FILLER	PIC X(02)	VALUE ZEROS.	000591	
10	WS-VY-LAST2	PIC 9(02)	VALUE ZEROS.	000592	
05	DRAFT-DATE-PLUS-DEF	PIC 9(06)	VALUE ZEROS.	000593	
05	DRAFT-DATE	PIC 9(06)	VALUE ZEROS.	000594	
05	WS-TRANS-DATE.	PIC 99	VALUE ZEROS.	000595	
10	WS-TRANS-YEAR	PIC X	VALUE '/'.	000596	
10	WS-TRANS-MONTH	PIC 99	VALUE ZEROS.	000597	
10	FILLER	PIC X	VALUE '/'.	000598	
10	WS-TRANS-DAY	PIC 99	VALUE ZEROS.	000599	
05	WS-DELETED-DATE.	PIC X(07)	VALUE 'DELETED'.	000600	
10	FILLER	PIC X.		000601	
10	WS-DEL-PAY-TYPE	PIC X.		000602	
05	WS-DATE-MOY-WITH-SLASHES.	PIC 9(02)	VALUE ZEROS.	000603	
10	WS-M-MOY-SLASHES	PIC X	VALUE '/'.	000604	
10	FILLER	PIC 9(02)	VALUE ZEROS.	000605	
10	WS-D-MOY-SLASHES	PIC X	VALUE '/'.	000606	
10	FILLER	PIC X	VALUE '/'.	000607	
10	WS-Y-MOY-SLASHES	PIC 9(02)	VALUE ZEROS.	000608	
05	WS-DATE-YMD.	PIC 9(02)	VALUE ZEROS.	000609	
10	WS-Y-YMD	PIC 9(02)	VALUE ZEROS.	000610	
10	WS-M-YMD	PIC 9(02)	VALUE ZEROS.	000611	
10	WS-D-YMD	PIC 9(02)	VALUE ZEROS.	000612	
05	WS-DATE-MOY.	PIC 9(02)	VALUE ZEROS.	000613	
10	WS-M-MOY	PIC 9(02)	VALUE ZEROS.	000614	
10	WS-D-MOY	PIC 9(02)	VALUE ZEROS.	000615	
10	WS-Y-MOY	PIC 9(02)	VALUE ZEROS.	000616	
05	WS-CURRENT-DATE	PIC 9(06)	VALUE ZEROS.	000617	
05	FILLER REDEFINES WS-CURRENT-DATE.	PIC 9(02)	VALUE ZEROS.	000618	
10	CD-YR	PIC 9(02)	VALUE ZEROS.	000619	
10	CD-MONTH	PIC 9(02)	VALUE ZEROS.	000620	
10	CD-DAY	PIC 9(02)	VALUE ZEROS.	000621	
05	WS-TIME	PIC 9(08)	VALUE ZEROS.	000622	
05	FILLER REDEFINES WS-TIME.	PIC 99.	VALUE ZEROS.	000623	
10	WS-HH	PIC 99.	VALUE ZEROS.	000624	
10	WS-MM	PIC 99.	VALUE ZEROS.	000625	
10	WS-SS	PIC 99.	VALUE ZEROS.	000626	
10	FILLER	PIC 99.	VALUE ZEROS.	000627	
05	WS-TRANS-TIME.	PIC 99	VALUE ZEROS.	000628	
10	WS-MOYR	PIC 99	VALUE ZEROS.	000629	

```

01 WS-MIN                                PIC 99          VALUE ZEROS.
05 WS-SQL-DATE.                          PIC 9          VALUE ZEROS.
10 WS-SQL-DATE-FILLER                    PIC 9(6)       VALUE ZEROS.
10 WS-SQL-DATE-YMD                       PIC 9(6)       VALUE ZEROS.
    
```

-IMC TRKFIDS
 -IMC FDATAFLDS

```

01 WS-SC-LIT.                            PIC X(03)       VALUE 'SC '.
05 FILLER                                PIC X(02)       VALUE SPACES.
05 WS-SC-CODE                            PIC X(02)       VALUE SPACES.
    
```

```

01 WS-PRINT-LINE.                        PIC X(9)       VALUE SPACES.
05 JUNK-COMMIT-KEY                       PIC X(1)       VALUE SPACES.
05 CC-LINE                               PIC X(132)      VALUE SPACES.
05 JUNK-LINE                             PIC X(132)      VALUE SPACES.
01 WS-PRINT-LINE2                        PIC X(132)      VALUE SPACES.
    
```

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01 TRANFREE-SC-TABLE.                   PIC S9(6)     COMP VALUE ZERO.
05 TRANFREE-TBL-ENTRIES                   PIC S9(6)     COMP VALUE ZERO.
05 TRANFREE-CURR-ENTRY                    PIC S9(6)     COMP VALUE +1500.
05 TRANFREE-MAX-ENTRIES                    PIC S9(6)     COMP VALUE +1500.
05 TRANFREE-SC-ENTRY OCCURS 1500 TIMES
    INDEXED BY TFR-IDX.
10 TFR-TBL-SC-CODE                        PIC X(2)       VALUE SPACES.
10 TFR-TBL-SC-ITEMS                       PIC S9(6)     COMP-3 VALUE +0.
10 TFR-TBL-SC-DOLLARS                     PIC S9(9)V9(2) COMP-3 VALUE +0.
    
```

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01 TRANFREE-PAY-TABLE-REC.               PIC 9(9)       COMP.
05 TFR-PAY-TBL-COMMIT                     PIC S9(6)     COMP.
05 TFR-PAY-TBL-NBR                        PIC X(12)      COMP.
05 TFR-PAY-TBL-ENTRY                      PIC X(12)      COMP.
    
```

```

*****
***** OUTPUT DEFINITIONS *****
*****
01 WS-HEADINGS-FOR-ROLLOVER.
    
```

```

05 RO-HEADING-1.                         PIC X(11)      VALUE
10 FILLER                                'PDB00010.20'.
10 FILLER                                PIC X(133)      VALUE SPACES.
10 FILLER                                PIC X(43)       VALUE
    'CHECKFREE CORPORATION - CONSUMER SERVICES '.
10 FILLER                                PIC X(28)      VALUE SPACES.
10 FILLER                                PIC X(9)       VALUE
    
```

000641	05/25/91
000642	05/25/91
000643	11/14/90
000644	05/25/91
000645	05/25/91
000646	05/25/91
000647	05/25/91
X 000648	05/25/91
000649	05/25/91
X 000650	05/25/91
000651	05/25/91
000652	05/25/91
000653	05/25/91
000654	05/25/91
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000660	05/25/91
000661	05/25/91
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000664	05/25/91
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000666	05/25/91
000667	05/25/91
000668	05/25/91
000669	05/25/91
000670	05/25/91
000671	05/25/91
000672	05/25/91
000673	05/25/91
000674	05/25/91
000675	05/25/91
000676	05/25/91
000677	05/25/91
000678	05/25/91
000679	05/25/91
000680	05/25/91
000681	05/25/91
000682	05/25/91
000683	05/25/91
000684	05/25/91
000685	05/25/91
000686	05/25/91
000687	05/25/91
000688	05/25/91
000689	05/25/91
000690	05/25/91
000691	05/25/91

04/14/91

10	RO-RUN-DATE	PIC X(8).		000692	
05	RO-HEADING-2.			000693	
10	FILLER	PIC X(52)	VALUE SPACES.	000694	
10	FILLER	PIC X(17)	VALUE	000695	
10	RO-DRAFT-REPORT-DATE	PIC X(8).		000696	
10	FILLER	PIC X(45)		000697	
10	FILLER	PIC X(5)		000698	
10	RO-PAGE-NUMBER	PIC Z,ZZ9.		000699	
			DRAFT REPORT FOR	000700	
			VALUE SPACES.	000701	
			VALUE PAGE	000702	
05	RO-HEADING-3.			000703	
10	FILLER	PIC X(64)	VALUE SPACES.	000704	
10	FILLER	PIC X(03)	VALUE	000705	
10	FILLER	PIC X(10)	VALUE SPACES.	000706	
10	FILLER	PIC X(09)	VALUE	000707	
10	FILLER	PIC X(08)	VALUE SPACES.	000708	
10	FILLER	PIC X(10)	VALUE	000709	
10	FILLER	PIC X(02)	VALUE SPACES.	000710	
10	FILLER	PIC X(02)	VALUE	000711	
10	FILLER	PIC X(02)	VALUE SPACES.	000712	
10	FILLER	PIC X(02)	VALUE	000713	
10	FILLER	PIC X(02)	VALUE SPACES.	000714	
10	FILLER	PIC X(02)	VALUE	000715	
10	FILLER	PIC X(04)	VALUE SPACES.	000716	
05	RO-HEADING-4.			000717	
10	FILLER	PIC X(07)	VALUE SPACES.	000718	
10	FILLER	PIC X(05)	VALUE	000719	
10	FILLER	PIC X(06)	VALUE SPACES.	000720	
10	FILLER	PIC X(03)	VALUE	000721	
10	FILLER	PIC X(13)	VALUE SPACES.	000722	
10	FILLER	PIC X(16)	VALUE	000723	
10	FILLER	PIC X(14)	VALUE SPACES.	000724	
10	FILLER	PIC X(12)	VALUE	000725	
10	FILLER	PIC X(06)	VALUE SPACES.	000726	
10	FILLER	PIC X(06)	VALUE	000727	
10	FILLER	PIC X(12)	VALUE SPACES.	000728	
10	FILLER	PIC X(12)	VALUE	000729	
10	FILLER	PIC X(06)	VALUE SPACES.	000730	
10	FILLER	PIC X(06)	VALUE	000731	
10	FILLER	PIC X(06)	VALUE SPACES.	000732	
10	FILLER	PIC X(06)	VALUE	000733	
10	FILLER	PIC X(06)	VALUE SPACES.	000734	
10	FILLER	PIC X(06)	VALUE	000735	
10	FILLER	PIC X(03)	VALUE SPACES.	000736	
10	FILLER	PIC X(13)	VALUE	000737	
10	FILLER	PIC X(03)	VALUE SPACES.	000738	
10	FILLER	PIC X(03)	VALUE	000739	
10	FILLER	PIC X(03)	VALUE SPACES.	000740	
10	FILLER	PIC X(03)	VALUE	000741	
10	FILLER	PIC X(06)	VALUE SPACES.	000742	


```

10 FILLER 'GRAND TOTALS --' PIC X(10) VALUE 000794
10 FILLER 'TOTAL ITEMS PAID ' PIC X(10) 000795
10 GMD-TOT-ROL-ITEMS PIC ZZZZZZ9. 000796
10 FILLER PIC X(06) 000797
10 FILLER PIC X(19) 000798
10 FILLER 'TOTAL DOLLARS PAID ' VALUE SPACES. 000799
10 GMD-TOT-ROL-DOLLARS PIC $$$,###,###.99. 000800
10 FILLER PIC X(39) 000801
04/14/91 000802
000803
000804
000805
000806
000807
000808
000809
000810
000811
000812
000813
000814
000815
000816
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000841
000842
000843
000844

```

```

05 GMD-TOT-ERR-DETAIL.
10 FILLER PIC X(20) VALUE 000805
10 FILLER 'GRAND TOTALS ERRORS --' PIC X(10) 000806
10 FILLER 'TOTAL ITEMS ERROR ' VALUE 000807
10 GMD-TOT-ERR-ITEMS PIC ZZZZZZ9. 000808
10 FILLER PIC X(06) 000809
10 FILLER PIC X(19) 000810
10 FILLER 'TOTAL DOLLARS ERROR' VALUE SPACES. 000811
10 GMD-TOT-ERR-DOLLARS PIC $$$,###,###.99. 000812
10 FILLER PIC X(39) 000813
04/14/91 000814
000815
000816
000817
000818
000819
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000842
000843
000844

```

01 WS-HEADINGS-FOR-ERROR-REPT.

```

05 ERR-HEADING-1.
10 FILLER 'PDB00010.21' PIC X(11) VALUE 000822
10 FILLER PIC X(33) 000823
10 FILLER PIC X(43) VALUE 000824
10 FILLER 'CHECKFREE CORPORATION - CONSUMER SERVICES ' 000825
10 FILLER PIC X(20) 000826
10 FILLER PIC X(9) VALUE SPACES. 000827
10 FILLER 'RUN DATE ' 000828
10 ERR-RUN-DATE PIC X(8). 000829
000830
000831
000832
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000837
000838
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000840
000841
000842
000843
000844

```

```

05 ERR-HEADING-2.
10 FILLER PIC X(49) VALUE SPACES. 04/14/91
10 FILLER PIC X(23) VALUE 000832
10 FILLER 'DRAFT ERROR REPORT FOR ' 000833
10 FILLER PIC X(06) 000834
10 FILLER PIC X(42) 000835
10 FILLER PIC X(15) VALUE SPACES. 000836
10 FILLER PIC X(5) VALUE 'PAGE ' 000837
10 ERR-PAGE-NUMBER PIC Z,ZZ9. 000838
04/14/91 000839
000840
000841
000842
000843
000844

```

```

05 ERR-HEADING-3.
10 FILLER PIC X(04) VALUE SPACES.
10 FILLER PIC X(03) VALUE 000841
10 FILLER 'SSN' PIC X(10) VALUE SPACES. 000842
000843
000844

```

10 FILLER	PIC X(09)	VALUE	000845	04/14/91
10 FILLER 'LAST NAME'	PIC X(08)	VALUE SPACES.	000846	04/14/91
10 FILLER	PIC X(10)	VALUE	000847	04/14/91
10 FILLER 'FIRST NAME'	PIC X(02)	VALUE SPACES.	000849	04/14/91
10 FILLER	PIC X(02)	VALUE	000850	04/14/91
10 FILLER 'MI'	PIC X(01)	VALUE SPACES.	000851	04/14/91
10 FILLER	PIC X(01)	VALUE	000852	04/14/91
10 FILLER 'REASON FOR REJECTS'	PIC X(05)	VALUE SPACES.	000853	04/14/91
10 FILLER	PIC X(05)	VALUE	000854	04/14/91
10 FILLER	PIC X(05)	VALUE SPACES.	000855	04/14/91
10 FILLER	PIC X(05)	VALUE	000856	04/14/91
10 FILLER	PIC X(05)	VALUE SPACES.	000857	04/14/91
10 FILLER	PIC X(06)	VALUE	000858	04/14/91
10 FILLER	PIC X(08)	VALUE SPACES.	000859	04/14/91
10 FILLER 'PC PHONE'	PIC X(03)	VALUE	000860	04/14/91
10 FILLER	PIC X(03)	VALUE SPACES.	000861	04/14/91
10 FILLER	PIC X(03)	VALUE	000862	04/14/91
10 FILLER 'CRP'	PIC X(12)	VALUE SPACES.	000863	04/14/91
10 FILLER	PIC X(08)	VALUE	000864	04/14/91
10 FILLER 'MERCHANT'	PIC X(16)	VALUE SPACES.	000865	04/14/91
10 FILLER	PIC X(14)	VALUE	000866	04/14/91
10 FILLER 'ACCOUNT NUMBER'	PIC X(04)	VALUE SPACES.	000867	04/14/91
10 FILLER	PIC X(04)	VALUE	000868	04/14/91
10 FILLER 'TYPE'	PIC X(04)	VALUE SPACES.	000869	04/14/91
10 FILLER	PIC X(04)	VALUE	000870	04/14/91
10 FILLER 'AMOUNT'	PIC X(05)	VALUE SPACES.	000871	04/14/91
10 FILLER	PIC X(06)	VALUE	000872	04/14/91
10 FILLER	PIC X(05)	VALUE SPACES.	000873	04/14/91
10 FILLER	PIC X(06)	VALUE	000874	04/14/91
10 FILLER	PIC X(05)	VALUE SPACES.	000875	04/14/91
10 FILLER	PIC X(06)	VALUE	000876	04/14/91
10 FILLER	PIC X(05)	VALUE SPACES.	000877	04/14/91
10 FILLER	PIC X(06)	VALUE	000878	04/14/91
10 FILLER 'PAY DATE'	PIC X(31)	VALUE SPACES.	000879	04/14/91
10 FILLER	PIC X(31)	VALUE	000880	04/14/91
10 FILLER	PIC X(11)	VALUE SPACES.	000881	04/14/91
10 FILLER	PIC X(02)	VALUE	000882	04/14/91
10 FILLER	PIC X(20)	VALUE SPACES.	000883	04/14/91
10 FILLER	PIC X(01)	VALUE	000884	04/14/91
10 FILLER	PIC X(10)	VALUE SPACES.	000885	04/14/91
10 FILLER	PIC X(02)	VALUE	000886	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000887	04/14/91
10 FILLER	PIC X(01)	VALUE	000888	04/14/91
10 FILLER	PIC X(02)	VALUE SPACES.	000889	04/14/91
10 FILLER	PIC X(01)	VALUE	000890	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000891	04/14/91
10 FILLER	PIC X(54)	VALUE	000892	04/14/91
10 FILLER	PIC X(29)	VALUE SPACES.	000893	04/14/91
10 FILLER	PIC X(01)	VALUE	000894	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000895	04/14/91

01 WS-DETAILS-FOR-ERROR.

05 ERR-DETAIL-1.

10 FILLER	PIC X(11)	VALUE	000895	04/14/91
10 FILLER	PIC X(02)	VALUE SPACES.	000896	04/14/91
10 FILLER	PIC X(20)	VALUE	000897	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000898	04/14/91
10 FILLER	PIC X(10)	VALUE	000899	04/14/91
10 FILLER	PIC X(02)	VALUE SPACES.	000900	04/14/91
10 FILLER	PIC X(01)	VALUE	000901	04/14/91
10 FILLER	PIC X(54)	VALUE SPACES.	000902	04/14/91
10 FILLER	PIC X(29)	VALUE	000903	04/14/91
10 FILLER	PIC X(01)	VALUE SPACES.	000904	04/14/91
10 FILLER	PIC X(01)	VALUE	000905	04/14/91

05	ERR-DETAIL-2.				000096	
10	FILLER	PIC X(04)	VALUE SPACES.		000097	
10	ERR-PHONE-NUMBER	PIC X(12)	VALUE SPACES.		000098	
10	FILLER	PIC X(01)	VALUE SPACES.		000099	
10	ERR-CRP	PIC 999.	VALUE SPACES.		000900	
10	FILLER	PIC X(02)	VALUE SPACES.		000901	
10	ERR-MERCHANT	PIC X(24)	VALUE SPACES.		000902	04/14/91
10	FILLER	PIC X(02)	VALUE SPACES.		000903	
10	ERR-ACCOUNT-NUMBER	PIC X(25)	VALUE SPACES.		000904	
10	FILLER	PIC X(02)	VALUE SPACES.		000905	
10	ERR-PAYMENT-TYPE-1	PIC X(01)	VALUE SPACES.		000906	04/14/91
10	ERR-PAYMENT-TYPE-2	PIC X(01)	VALUE SPACES.		000907	04/14/91
10	FILLER	PIC X(02)	VALUE SPACES.		000908	04/14/91
10	ERR-AMOUNT	PIC Z,ZZZ,ZZZ.99.	VALUE SPACES.		000909	04/14/91
10	FILLER	PIC X(02)	VALUE SPACES.		000910	
10	ERR-PAY-DATE	PIC X(02)	VALUE SPACES.		000911	
10	FILLER	PIC X(02)	VALUE SPACES.		000912	04/14/91
10	ERR-STATUS-DESC	PIC X(02)	VALUE SPACES.		000913	04/14/91
10	FILLER	PIC X(29)	VALUE SPACES.		000914	04/14/91
10	ERR-STATUS-CNT	PIC ZZZZ9.	VALUE SPACES.		000915	04/14/91
10	FILLER	PIC X(01)	VALUE SPACES.		000916	04/14/91
05	ERR-DETAIL-3.				000917	04/14/91
10	FILLER	PIC X(15)	VALUE SPACES.		000918	04/14/91
10	ERR-STATUS-DESC	PIC X(25)	VALUE SPACES.		000919	04/14/91
10	FILLER	PIC X(01)	VALUE SPACES.		000920	04/14/91
10	ERR-STATUS-CNT	PIC ZZZZ9.	VALUE SPACES.		000921	04/14/91
10	FILLER	PIC X(01)	VALUE SPACES.		000922	
01	WS-MESSAGE-STATUS.				000923	04/14/91
10	WS-ERR-MESSAGE-STATUS	PIC X(20)	VALUE		000924	04/14/91
10	FILLER	PIC X(01)	VALUE		000925	04/14/91
10	WS-ERR-STATUS	PIC X(01)	VALUE		000926	04/14/91
10	FILLER	PIC X(01)	VALUE		000927	04/14/91
10	FILLER	PIC X(08)	VALUE SPACES.		000928	04/14/91
10	FILLER	PIC X(08)	VALUE SPACES.		000929	
01	WS-MESSAGE-LINES.				000930	
05	WS-ERR-MESSAGE-LINE.				000931	
10	FILLER	PIC X(105)	VALUE SPACES.		000932	
10	WS-ERR-MESSAGE	PIC X(29)	VALUE SPACES.		000933	
10	FILLER	PIC X(04)	VALUE SPACES.		000934	
10	FILLER	PIC X(31)	VALUE SPACES.		000935	
10	FILLER	PIC X(31)	VALUE SPACES.		000936	
10	FILLER	PIC X(31)	VALUE SPACES.		000937	
10	FILLER	PIC X(31)	VALUE SPACES.		000938	
10	FILLER	PIC X(31)	VALUE SPACES.		000939	
10	FILLER	PIC X(31)	VALUE SPACES.		000940	
10	FILLER	PIC X(31)	VALUE SPACES.		000941	
10	FILLER	PIC X(31)	VALUE SPACES.		000942	
10	FILLER	PIC X(31)	VALUE SPACES.		000943	
10	FILLER	PIC X(31)	VALUE SPACES.		000944	
10	FILLER	PIC X(31)	VALUE SPACES.		000945	
10	FILLER	PIC X(31)	VALUE SPACES.		000946	

01 WS-HEADINGS-FOR-SUMMARY-REPT.

05	SUM-HEADING-1.	PIC X(11)	VALUE	000947	
10	FILLER			000948	
	'PDB00010.22'.			000949	
10	FILLER	PIC X(33)	VALUE SPACES.	000950	
10	FILLER	PIC X(43)	VALUE SPACES.	000951	
	'CHECKFREE CORPORATION - CONSUMER SERVICES'.			000952	
10	FILLER	PIC X(20)	VALUE SPACES.	000953	
10	FILLER	PIC X(9)	VALUE	000954	
	'RUN DATE'.			000955	
10	SUM-RUN-DATE	PIC X(8)		000956	
05	SUM-HEADING-2.			000957	
10	FILLER	PIC X(55)	VALUE SPACES.	000958	
10	FILLER	PIC X(21)	VALUE	000959	
	'TRANSFREE INPUT REPORT'.			000960	
10	FILLER	PIC X(46)	VALUE SPACES.	000961	
10	FILLER	PIC X(05)	VALUE	000962	
	'PAGE'.			000963	
10	SUM-PAGE-NUMBER	PIC Z,ZZ9.		000964	
05	SUM-HEADING-3.			000965	
10	FILLER	PIC X(50)	VALUE SPACES.	000966	
10	FILLER	PIC X(21)	VALUE	000967	
	'FOR COLLECTION DATE'.			000968	
10	SUM-DRAFT-DATE	PIC X(08)		000969	
10	FILLER	PIC X(53)	VALUE SPACES.	000970	
05	SUM-HEADING-4.			000971	
10	FILLER	PIC X(26)	VALUE SPACES.	000972	
10	FILLER	PIC X(27)	VALUE	000973	
	'CONSUMER PAYMENTS PROCESSED'.			000974	
10	FILLER	PIC X(28)	VALUE SPACES.	000975	
10	FILLER	PIC X(30)	VALUE	000976	
	'MERCHANT REMITTANCES PROCESSED'.			000977	
10	FILLER	PIC X(21)	VALUE SPACES.	000978	
05	SUM-DETAIL.			000979	
10	FILLER	PIC X(14)	VALUE SPACES.	000980	
10	SUM-COL-TYPE-LIT	PIC X(05)	VALUE SPACES.	000981	
10	FILLER	PIC X(01)	VALUE SPACES.	000982	
10	SUM-COL-COL-LIT	PIC X(11)	VALUE SPACES.	000983	
10	FILLER	PIC X(01)	VALUE SPACES.	000984	
10	SUM-COL-ITEMS	PIC Z,ZZZ,ZZ9.	VALUE SPACES.	000985	
10	FILLER	PIC X(02)	VALUE SPACES.	000986	
10	SUM-COL-FOR-LIT	PIC X(03)	VALUE SPACES.	000987	
10	FILLER	PIC X(02)	VALUE SPACES.	000988	
				000989	
				000990	
				000991	
				000992	
				000993	
				000994	
				000995	
				000996	
				000997	


```

10 SUM-COL-DOLLARS          PIC $$$,000,000.99.  VALUE SPACES.
10 FILLER                   PIC X(11)           VALUE SPACES.
10 SUM-RMT-TYPE-LIT         PIC X(05)           VALUE SPACES.
10 FILLER                   PIC X(01)           VALUE SPACES.
10 SUM-RMT-RMT-LIT         PIC X(11)           VALUE SPACES.
10 FILLER                   PIC X(01)           VALUE SPACES.
10 SUM-RMT-ITEMS           PIC Z,ZZZ,ZZ9.        VALUE SPACES.
10 FILLER                   PIC X(02)           VALUE SPACES.
10 SUM-RMT-FOR-LIT         PIC X(03)           VALUE SPACES.
10 FILLER                   PIC X(02)           VALUE SPACES.
10 SUM-RMT-DOLLARS         PIC $$$,000,000.99.  VALUE SPACES.
10 FILLER                   PIC X(09)

```

PROCEDURE DIVISION.

MOVE 'PDB00010' TO SQL-PRG.

A000-MAINLINE.

```

EXEC SQL WHENEVER SQLWARNING GO TO ERRCNK END-EXEC.
EXEC SQL WHENEVER SQLERROR  GO TO ERRCNK END-EXEC.
EXEC SQL WHENEVER NOT FOUND  CONTINUE  END-EXEC.

```

MOVE 'PDB00010' TO WS-PROGRAM-NAME.
MOVE 'SELECTING FROM T900_PROG_CONTROL' TO STEP-DENOTER.

```

EXEC SQL SELECT PC_LAST_COMMIT_KEY,
                PC_COMMIT_INTERVAL,
                PC_RESTART_MODE
INTO :PC-LAST-COMMIT-KEY,
     :PC-COMMIT-INTERVAL,
     :PC-RESTART-MODE
FROM T900_PROG_CONTROL
WHERE PC_PROGRAM_NAME = WS-PROGRAM-NAME
END-EXEC.

```

```

DISPLAY 'PC-LAST-COMMIT-KEY : ' PC-LAST-COMMIT-KEY
DISPLAY 'PC-COMMIT-INTERVAL : ' PC-COMMIT-INTERVAL
DISPLAY 'PC-RESTART-MODE : ' PC-RESTART-MODE

```

IF SQLCODE EQUAL 100
GO TO ERRCNK.

```

IF PC-LAST-COMMIT-KEY NOT = SPACE AND
PC-RESTART-MODE NOT = 'Y'
DISPLAY 'POSSIBLE RESTART CONDITION PROGRAM '
WS-PROGRAM-NAME ' FROM LAST PRODUCTION RUN '

```

000998	05/25/91
000999	05/25/91
001000	05/25/91
001001	05/25/91
001002	05/25/91
001003	05/25/91
001004	05/25/91
001005	05/25/91
001006	05/25/91
001007	05/25/91
001008	05/25/91
001009	
001010	
001011	
001012	
001013	
001014	
001015	
001016	01/02/91
001017	
001018	
001019	
001020	
001021	
001022	
001023	
001024	
001025	05/13/91
001026	05/13/91
001027	05/13/91
001028	05/13/91
001029	05/13/91
001030	05/13/91
001031	05/13/91
001032	05/13/91
001033	05/13/91
001034	05/13/91
001035	05/13/91
001036	05/13/91
001037	05/13/91
001038	05/13/91
001039	05/13/91
001040	05/13/91
001041	05/13/91
001042	05/25/91
001043	05/25/91
001044	05/13/91
001045	05/13/91
001046	05/13/91
001047	05/13/91
001048	05/13/91

```

      GO TO ERRCIK
END-IF.

IF PC-LAST-COMMIT-KEY NOT = SPACE
  DISPLAY 'RESTARTING PROGRAM ' NS-PROGRAM-NAME
  MOVE PC-LAST-COMMIT-KEY TO NS-LAST-KEY
  MOVE 'V' TO PC-RESTART-MODE
END-IF.

OPEN INPUT DATE-FILE.
OPEN INPUT CARDIN.

PERFORM A050-INITIALIZE THRU A050-INITIALIZE-EXIT.

CLOSE DATE-FILE.

*
* DECLARE CURSORS HERE.
*
MOVE 'DECLARE CURSOR T010' TO STEP-DEMOTER.
EXEC SQL DECLARE T010 CURSOR FOR
  SELECT
    NS_SETTLE_CODE,
    NS_STATUS,
    NS_SETTLE_METH_IND
  FROM T010_MRCH_SETTLE
  WHERE
    NS_SETTLE_METH_IND = 'N'
    AND NS_STATUS = 'A'
  ORDER BY NS_SETTLE_CODE
END-EXEC.

MOVE 'DECLARE CURSOR T002' TO STEP-DEMOTER.
EXEC SQL DECLARE T002 CURSOR
  FOR SELECT
    CP_SSN,
    CP_CHK_PHONE,
    CP_CHK_CR_PHONE,
    CP_MRCH_PHONE,
    CP_MRCH_CR_PHONE,
    CP_MRCH_NAME,
    CP_MRCH_AMT,
    CP_MRCH_PAY_DATE,
    CP_PAY_TYPE,
    CP_MBR_REMAIN,
    CP_STATUS,
    CP_ACCT_MBR,
    CP_PAY_FREQ,
    CP_CHG_DATE,
    CP_CHG_AMT,
    001049 03/13/91
    001050 03/13/91
    001051 03/13/91
    001052 03/13/91
    001053 03/13/91
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    001056 03/13/91
    001057 03/13/91
    001058 03/13/91
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    001070 05/25/91
    001071 05/25/91
    001072 05/25/91
    001073 05/25/91
    001074 05/25/91
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```


MOVE 'OPEN CURSOR 1002' TO STEP-DENOTER.
EXEC SQL OPEN 1002 END-EXEC.
OPEN OUTPUT TRANHOLD-FILE

PAY-TABLE-OUTPUT
DRTITEM-FILE
ROLLOVER-REPORT
ERROR-REPORT
SUMMARY-REPORT.

PERFORM A100-MAIN THRU
A100-MAIN-EXIT.

MOVE 'CLOSE CURSOR 1002' TO STEP-DENOTER.
EXEC SQL CLOSE 1002 END-EXEC.

IF WS-TOTAL-ERROR-LINES > 40
PERFORM D100-ERROR-HEADINGS
THRU D100-ERROR-HEADINGS-EXIT.

MOVE 'TOTAL OF SSM BY STATUS A ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-A-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS I ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-I-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS F ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-F-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS D ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-D-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS P ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-P-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL OF SSM BY STATUS C ' TO ERR-STATUS-DESC.
MOVE WS-STATUS-C-CMT TO ERR-STATUS-CMT.
MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
WRITE ERROR-REPORT-LINE.

001151	03/13/91
001152	03/13/91
001153	03/13/91
001154	01/02/91
001155	03/13/91
001156	01/02/91
001157	
001158	
001159	
001160	03/13/91
001161	03/13/91
001162	03/13/91
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001166	04/14/91
001167	04/14/91
001168	04/14/91
001169	04/14/91
001170	04/14/91
001171	04/14/91
001172	04/14/91
001173	04/14/91
001174	04/14/91
001175	04/14/91
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001178	04/14/91
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001180	04/14/91
001181	04/14/91
001182	04/14/91
001183	04/14/91
001184	04/14/91
001185	04/14/91
001186	04/14/91
001187	04/14/91
001188	04/14/91
001189	04/14/91
001190	04/14/91
001191	04/14/91
001192	04/14/91
001193	04/14/91
001194	04/14/91
001195	04/14/91
001196	04/14/91
001197	04/14/91
001198	04/14/91
001199	04/14/91
001200	04/14/91
001201	04/14/91

COMPUTE WS-STATUS-TOT-CNT = WS-STATUS-A-CNT +
 WS-STATUS-I-CNT +
 WS-STATUS-F-CNT +
 WS-STATUS-D-CNT +
 WS-STATUS-P-CNT +
 WS-STATUS-C-CNT.

MOVE SPACES TO ERROR-REPORT-LINE.
 WRITE ERROR-REPORT-LINE.

MOVE 'TOTAL CONSUMERS IN ERROR ' TO ERR-STATUS-DESC.
 MOVE WS-STATUS-TOT-CNT TO ERR-STATUS-CNT.
 MOVE ERR-DETAIL-3 TO ERROR-REPORT-LINE.
 WRITE ERROR-REPORT-LINE.
 CLOSE MERCHANT-FILE,
 TRANHOLD-FILE,
 DRFTITEM-FILE,
 ROLLOVER-REPORT,
 ERROR-REPORT,
 SUMMARY-REPORT,
 CARDIN.

MOVE SPACE TO PC-LAST-COMMIT-KEY
 PC-RESTART-MODE.
 PERFORM 9000-COMMIT-WORK THRU
 9000-EXIT
 STOP RUN.

A000-MAINLINE-EXIT.
 EXIT.

A050-INITIALIZE.
 ACCEPT WS-CURRENT-DATE FROM DATE.
 MOVE CD-YR TO WS-TRANS-YEAR.
 MOVE CD-MONTH TO WS-TRANS-MONTH.
 MOVE CD-DAY TO WS-TRANS-DAY.
 ACCEPT WS-TIME FROM TIME.
 MOVE WS-HH TO WS-HOUR.
 MOVE WS-MM TO WS-MIN.
 MOVE WS-COMP-KEY TO COMP-CTL-KEY.
 READ DATE-FILE INTO WS-DATE-RECORD.
 IF COMP-STATUS = '00'
 NEXT SENTENCE
 ELSE
 DISPLAY 'MESSAGE FROM ' SQL-PCN ' :'
 DISPLAY 'BAD READ ON AECOMP DATE FILE.'
 DISPLAY 'STATUS CODE IS: ' COMP-STATUS
 DISPLAY 'PROGRAM HALTED. STOP JOB'

001202	04/14/91
001203	04/14/91
001204	04/14/91
001205	04/14/91
001206	04/14/91
001207	04/14/91
001208	04/14/91
001209	04/14/91
001210	04/14/91
001211	04/14/91
001212	04/14/91
001213	04/14/91
001214	04/14/91
001215	04/14/91
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001224	03/13/91
001225	03/13/91
001226	03/13/91
001227	03/13/91
001228	03/13/91
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001231	
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001236	01/02/91
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001240	01/02/91
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DISPLAY 'STREAM AND CORRECT PROBLEM.'
 DISPLAY 'MESSAGE FROM ' SQL-PGM ' :
 DISPLAY 'BAD READ ON AECOMP DATE FILE.'
 DISPLAY 'STATUS CODE IS: ' COMP-STATUS
 DISPLAY 'PROGRAM HALTED. STOP JOB
 DISPLAY 'STREAM AND CORRECT PROBLEM.'
 CLOSE DATE-FILE
 GO TO ERRCBK.

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 001303

MOVE AECO-CTL-TOD-PMT-DT TO DRAFT-DATE.
 ***** CONVERT DRAFT-DATE TO DRAFT-DATE-PLUS-DEF
 MOVE DRAFT-DATE TO DATE-WDDVVVV.
 PERFORM GREGORIAN-TO-JULIAN THRU
 GREGORIAN-TO-JULIAN-EXIT.
 MOVE 'D' TO DATE-PERIOD.

IF MORE-CARDIN
 READ CARDIN INTO WS-HOLD-DRAFT AT END
 MOVE 'N' TO WS-CARDIN-SM.

IF DRAFT-EXTENSION NOT NUMERIC
 DISPLAY 'MESSAGE FROM ' SQL-PGM ' :
 DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
 DISPLAY 'VALUE SET IN JCL IS NON-NUMERIC.
 DISPLAY 'STOP JOB STREAM AND CORRECT THIS
 DISPLAY 'PROBLEM.'
 DISPLAY 'MESSAGE FROM ' SQL-PGM ' :
 DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
 DISPLAY 'VALUE SET IN JCL IS NON-NUMERIC.
 DISPLAY 'STOP JOB STREAM AND CORRECT THIS
 DISPLAY 'PROBLEM.'
 GO TO ERRCBK.

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IF DRAFT-EXTENSION-99 > 99
 DISPLAY 'MESSAGE FROM ' SQL-PGM ' :
 DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
 DISPLAY 'VALUE SET IN JCL IS TOO BIG.
 DISPLAY 'STOP JOB STREAM AND CORRECT THIS
 DISPLAY 'PROBLEM.'
 DISPLAY 'MESSAGE FROM ' SQL-PGM ' :
 DISPLAY 'PROGRAM HALTED. DRAFT EXTENSION
 DISPLAY 'VALUE SET IN JCL IS TOO BIG.
 DISPLAY 'STOP JOB STREAM AND CORRECT THIS
 DISPLAY 'PROBLEM.'
 GO TO ERRCBK.

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MOVE WS-77-DATE-7DIGITS TO WS-SQL-DATE.
 MOVE WS-SQL-DATE-YMD TO WS-DATE-MDY.
 MOVE WS-Y-MDY TO WS-Y-MDY-SLASHES
 MOVE WS-M-MDY TO WS-M-MDY-SLASHES
 MOVE WS-D-MDY TO WS-D-MDY-SLASHES
 MOVE WS-DATE-MDY-WITH-SLASHES TO RO-RUN-DATE,
 ERR-RUN-DATE,
 SUM-RUN-DATE.

MOVE WS-Y-MDY TO HOLD-Y-FFMMDDYY
 MOVE WS-M-MDY TO HOLD-M-FFMMDDYY
 MOVE WS-D-MDY TO HOLD-D-FFMMDDYY
 MOVE 00 TO HOLD-F-FFMMDDYY
 MOVE WS-HOLD-DATE-FFMMDDYY TO DATE-FFMMDDYY
 PERFORM GREGORIAN-TO-JULIAN THRU
 GREGORIAN-TO-JULIAN-EXIT
 MOVE DATE-YYYY TO WS-TRACE-YY.
 MOVE DATE-DDD TO WS-TRACE-DDD.

***** INITIALIZE THE DRAFTED ITEMS FILE.
 MOVE ZEROS TO DRAFT-RECORD.
 MOVE SPACES TO DRAFT-MRCH-DELETE,
 DRAFT-MRCH-IMENOMIC,
 DRAFT-PAY-TYPE,
 DRAFT-PAY-STATUS,
 DRAFT-MRCH-NAME,
 DRAFT-CHECK-DIGIT.

A050-INITIALIZE-EXIT.
 EXIT.

A075-LOAD-STLCODE-TBL.
 IF TRANSFREE-TBL-ENTRIES EQUAL TRANSFREE-MAX-ENTRIES
 DISPLAY 'SETTLEMENT CODE TABLE OVERFLOW'
 GO TO ERRCBK.
 ADD 1 TO TRANSFREE-TBL-ENTRIES.
 SET TFR-IDX TO TRANSFREE-TBL-ENTRIES.
 MOVE WS-SETTLE-CODE TO TFR-TBL-SC-CODE (TFR-IDX).
 MOVE ZERO TO TFR-TBL-SC-ITEMS (TFR-IDX).
 MOVE ZERO TO TFR-TBL-SC-DOLLARS (TFR-IDX).
 PERFORM A079-READ-STLCODE
 THRU A079-READ-STLCODE-EXIT.
 A075-LOAD-STLCODE-TBL-EXIT.
 EXIT.

A079-READ-STLCODE.
 MOVE 'FETCHING FROM T010' TO STEP-DENOTER.
 EXEC SQL FETCH T010
 INTO
 :MS-SETTLE-CODE,
 :MS-STATUS,
 :MS-SETTLE-METH-IND

001355	11/14/90
001356	11/14/90
001357	11/14/90
001358	11/14/90
001359	11/14/90
001360	11/14/90
001361	03/13/91
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001371	
001372	
001373	11/14/90
001374	11/14/90
001375	11/14/90
001376	11/14/90
001377	11/14/90
001378	11/14/90
001379	11/14/90
001380	11/14/90
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001385	05/25/91
001386	05/25/91
001387	05/25/91
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001389	05/25/91
001390	05/25/91
001391	05/25/91
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001399	05/25/91
001400	05/25/91
001401	05/25/91
001402	05/25/91
001403	05/25/91
001404	05/25/91
001405	05/25/91

END-EXEC.
IF SQLCODE EQUAL 100
MOVE 'V' TO ALL-STLCODE-PROCESSED-SW.
A079-READ-STLCODE-EXIT.
EXIT.

* THE FOLLOWING MODULE IS THE MAIN INTERNAL DRIVER FOR THIS *
* PROGRAM. *

A100-MAIN.

PERFORM UNTIL EOF
MOVE ZERO TO WS-COMMIT-COUNTER
PERFORM A125-T002-CONS-PAY-FETCH
THRU A125-T002-CONS-PAY-FETCH-EXIT
UNTIL EOF

END-PERFORM.

IF WS-TOTAL-ROLLOVER-LINES > 0
AND NOT = 999
PERFORM C400-TOTAL-BREAK
THRU C400-TOTAL-BREAK-EXIT.
IF WS-TOTAL-ERROR-LINES > 0
AND NOT = 999
PERFORM D400-TOTAL-BREAK
THRU D400-TOTAL-BREAK-EXIT.

PERFORM I100-CREDIT-OFFSETS
THRU I100-CREDIT-OFFSETS-EXIT.
PERFORM J200-WRITE-GRAND-SUMMARY
THRU J200-WRITE-GRAND-SUMMARY-EXIT.

*** THE FOLLOWING WILL CREATE A GRAND TOTAL LINE ON THE DETAIL
*** DRAFT REPORT.

MOVE TFR-RMT-TOT-ITEMS TO GMD-TOT-ROL-ITEMS.
MOVE TFR-RMT-TOT-DOLLARS TO GMD-TOT-ROL-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE GMD-TOT-ROL-DETAIL TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.

*** THE FOLLOWING WILL CREATE A GRAND TOTAL ERROR LINE ON THE
*** DETAIL DRAFT REPORT.

MOVE WS-GMD-TOT-ERR-ITEMS TO GMD-TOT-ERR-ITEMS.
MOVE WS-GMD-TOT-ERR-DOLLARS TO GMD-TOT-ERR-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.

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MOVE GND-TOT-ERR-DETAIL TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
A100-MAIN-EXIT.
EXIT.

A125-T002-CONS-PAY-FETCH.
MOVE 'FETCH FROM T002 IN PARAGRAPH A125.
TO STEP-DENOTER.
EXEC SQL FETCH T002 INTO

- :CP-SSN,
- :CP-CHECK-PHONE,
- :CP-CHECK-CR-PHONE,
- :CP-MRCH-PHONE,
- :CP-MRCH-CR-PHONE,
- :CP-MRCH-NAME,
- :CP-MRCH-AMT,
- :CP-MRCH-PAY-DATE,
- :CP-PAY-TYPE,
- :CP-NBR-REMAIN,
- :CP-STATUS,
- :CP-ACCT-NBR,
- :CP-PAY-FREQ,
- :CP-CHG-DATE,
- :CP-CHG-AMT,
- :CP-LAST-TRANS-DATE,
- :CP-PRENOTE-DATE,
- :CP-PRENOTE-RESET,
- :CP-ACCT-SCHEME,
- :CP-CAT-NBR,
- :CP-MNEMONIC

END-EXEC.
IF SQLCODE = 100
MOVE 'Y' TO INPUT-EOF-SW
GO TO A125-T002-CONS-PAY-FETCH-EXIT.
PERFORM B100-PROC-REC THRU B100-PROC-REC-EXIT.

ADD 1 TO WS-COMMIT-COUNTER.

A125-T002-CONS-PAY-FETCH-EXIT.
EXIT.

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001497	03/13/91
001498	03/13/91
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* THE FOLLOWING MODULE IS THE MAIN INTERNAL DRIVER FOR THIS *
* PROGRAM. *

B100-PROC-REC.

MOVE 'N' TO IS-RECORD-IN-ERROR.

IF WS-PREVIOUS-SSN NOT = CP-SSN
IF WS-COMMIT-COUNTER >= PC-COMMIT-INTERVAL

MOVE 'V' TO PC-RESTART-MODE

MOVE WS-LAST-COMMIT-COUNT TO TFR-PAY-TBL-COMMIT

ADD WS-COMMIT-COUNTER TO WS-LAST-COMMIT-COUNT

MOVE WS-TOTALS TO PC-LAST-COMMIT-KEY

PERFORM 9000-COMMIT-WORK THRU
9000-EXIT

MOVE ZERO TO WS-COMMIT-COUNTER

GO TO B100-PROC-REC-EXIT

END-IF

MOVE 'N' TO IS-CONSUMER-IN-ERROR

MOVE CP-SSN TO WS-PREVIOUS-SSN

PERFORM E100-GET-CONSUMER-INFO
THRU E100-GET-CONSUMER-INFO-EXIT.

PERFORM E200-GET-MERCHANT-INFO
THRU E200-GET-MERCHANT-INFO-EXIT.

PERFORM E300-CHECK-PRENOTE-EXIT.
THRU E300-CHECK-PRENOTE-EXIT.

IF RECORD-IN-ERROR

OR
CONSUMER-IN-ERROR

GO TO B100-PROC-REC-EXIT.

PERFORM F100-ROLLOVER-ROUTINE
THRU F100-ROLLOVER-ROUTINE-EXIT.

PERFORM G100-TRANHOLD-RECORD
THRU G100-TRANHOLD-RECORD-EXIT.

IF PAY-BY-PHONE

PERFORM K100-DRFTITEM-RECORD
THRU K100-DRFTITEM-RECORD-EXIT.

PERFORM M100-UPDATE-TABLES
THRU M100-UPDATE-TABLES-EXIT.

IF COMS-RO-DETAIL-NOT-WRITTEN

PERFORM C200-CONSUMER-ROLL-LINE
THRU C200-CONSUMER-ROLL-LINE-EXIT.

PERFORM C300-MERCHANT-ROLL-LINE
THRU C300-MERCHANT-ROLL-LINE-EXIT.

B100-PROC-REC-EXIT.
EXIT.

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 * THE FOLLOWING MODULES PRODUCE THE ROLLOVER REPORT FOR THIS *
 * PROGRAM. *

C100-ROLL-HEADINGS.

MOVE 'N' TO ARE-CONS-RO-HEADINGS-WRITTEN.
 MOVE 'N' TO ARE-MRCH-RO-HEADINGS-WRITTEN.
 MOVE 'N' TO ARE-CONS-RO-DETAIL-WRITTEN.
 MOVE 'N' TO ARE-MRCH-RO-DETAIL-WRITTEN.
 MOVE ZEROS TO WS-TOTAL-ROLLOVER-LINES.
 ADD 1 TO WS-ROLLOVER-PAGE-COUNT.
 MOVE WS-ROLLOVER-PAGE-COUNT TO RO-PAGE-NUMBER.
 MOVE SPACES TO ROLLOVER-REPORT-LINE.
 MOVE RO-HEADING-1 TO ROLLOVER-REPORT-LINE.
 PERFORM C800-WRITE-ROLL-PAGE
 THRU C800-WRITE-ROLL-PAGE-EXIT.
 MOVE SPACES TO ROLLOVER-REPORT-LINE.
 MOVE ' ' TO CC-LINE
 MOVE 1 TO ADVANCE-AMOUNT.
 MOVE RO-HEADING-2 TO ROLLOVER-REPORT-LINE.
 PERFORM C900-WRITE-ROLL-LINE
 THRU C900-WRITE-ROLL-LINE-EXIT.
 C100-ROLL-HEADINGS-EXIT.
 EXIT.

C200-CONSUMER-ROLL-LINE.

IF FIRST-ROLL-RECORD
 MOVE 'N' TO IS-THIS-FIRST-ROLL-RECORD
 PERFORM C100-ROLL-HEADINGS
 THRU C100-ROLL-HEADINGS
 ELSE
 IF WS-TOTAL-ROLLOVER-LINES > 45
 AND
 CP-SSN NOT = WS-PREVIOUS-ROLL-SSN
 PERFORM C400-TOTAL-BREAK
 THRU C400-TOTAL-BREAK-EXIT
 PERFORM C100-ROLL-HEADINGS
 THRU C100-ROLL-HEADINGS-EXIT
 ELSE
 IF WS-TOTAL-ROLLOVER-LINES > 45
 AND
 CP-SSN = WS-PREVIOUS-ROLL-SSN
 PERFORM C100-ROLL-HEADINGS
 THRU C100-ROLL-HEADINGS-EXIT
 ELSE
 IF CP-SSN NOT = WS-PREVIOUS-ROLL-SSN
 PERFORM C400-TOTAL-BREAK

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THRU C400-TOTAL-BREAK-EXIT.

MOVE CP-SSN TO WS-PREVIOUS-ROLL-SSN.
IF CONS-RO-HEADING-NOT-WRITTEN
PERFORM C210-CONSUMER-HEADINGS
THRU C210-CONSUMER-HEADINGS-EXIT.
PERFORM C220-CONSUMER-DETAIL
THRU C220-CONSUMER-DETAIL-EXIT.
C200-CONSUMER-ROLL-LINE-EXIT.
EXIT.

C210-CONSUMER-HEADINGS.

MOVE 'V' TO ARE-CONS-RO-HEADINGS-WRITTEN.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE ' ' TO CC-LINE
MOVE 3 TO ADVANCE-AMOUNT.
MOVE RO-HEADINGS-3 TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
C210-CONSUMER-HEADINGS-EXIT.
EXIT.

C220-CONSUMER-DETAIL.

MOVE 'V' TO ARE-CONS-RO-DETAIL-WRITTEN.
MOVE CP-SSN TO WS-77-SSN.
MOVE WS-77-SSN TO WS-SSN-IN.
MOVE WS-SSN-1ST3-IN TO WS-SSN-1ST3-OUT.
MOVE WS-SSN-2ND2-IN TO WS-SSN-2ND2-OUT.
MOVE WS-SSN-LAST4-IN TO WS-SSN-LAST4-OUT.
MOVE WS-SSN-OUT TO RO-SSN.
MOVE CF-LAST-NAME TO RO-LAST-NAME.
MOVE CF-FIRST-NAME TO RO-FIRST-NAME.
MOVE CF-MID-INIT TO RO-MI.

MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE ' ' TO CC-LINE

MOVE 1 TO ADVANCE-AMOUNT.
MOVE RO-DETAIL-1 TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
C220-CONSUMER-DETAIL-EXIT.
EXIT.

C300-MERCHANT-ROLL-LINE.

IF WS-TOTAL-ROLLOVER-LINES > 55
PERFORM C100-ROLL-HEADINGS
THRU C100-ROLL-HEADINGS-EXIT.

03/13/91

03/13/91

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IF CONS-RO-HEADING-NOT-WRITTEN
 PERFORM C210-CONSUMER-HEADINGS
 THRU C210-CONSUMER-HEADINGS-EXIT.
 IF CONS-RO-DETAIL-NOT-WRITTEN
 PERFORM C220-CONSUMER-DETAIL
 THRU C220-CONSUMER-DETAIL-EXIT.
 IF MRCH-RO-HEADING-NOT-WRITTEN
 PERFORM C310-MERCHANT-HEADINGS
 THRU C310-MERCHANT-HEADINGS-EXIT.
 PERFORM C320-MERCHANT-DETAIL
 THRU C320-MERCHANT-DETAIL-EXIT.
 C300-MERCHANT-ROLL-LINE-EXIT.
 EXIT.

C310-MERCHANT-HEADINGS.
 MOVE 'Y' TO ARE-MRCH-RO-HEADINGS-WRITTEN.
 MOVE SPACES TO ROLLOVER-REPORT-LINE.
 MOVE '0' TO CC-LINE
 MOVE 2 TO ADVANCE-AMOUNT.
 MOVE RO-HEADING-4 TO ROLLOVER-REPORT-LINE.
 PERFORM C900-WRITE-ROLL-LINE
 THRU C900-WRITE-ROLL-LINE-EXIT.
 C310-MERCHANT-HEADINGS-EXIT.
 EXIT.

C320-MERCHANT-DETAIL.
 MOVE CP-MRCH-PHONE TO WS-77-PHONE.
 MOVE WS-77-PHONE TO WS-PHONE-NUMBER-IN
 MOVE WS-AREA-CODE-IN TO WS-AREA-CODE-OUT
 MOVE WS-PHONE-EXCHG-IN TO WS-PHONE-EXCHG-OUT
 MOVE WS-PHONE-EXT-IN TO WS-PHONE-EXT-OUT
 MOVE WS-PHONE-NUMBER-OUT TO RO-PHONE-NUMBER
 MOVE CP-MRCH-CR-PHONE TO RO-CRP
 MOVE CP-MRCH-NAME TO RO-MERCHANT
 MOVE CP-ACCT-NBR TO RO-ACCOUNT-NUMBER
 MOVE SPACES TO ROLLOVER-REPORT-LINE.
 MOVE ' ' TO CC-LINE
 MOVE 1 TO ADVANCE-AMOUNT.
 MOVE RO-DETAIL-2 TO ROLLOVER-REPORT-LINE.
 PERFORM C900-WRITE-ROLL-LINE
 THRU C900-WRITE-ROLL-LINE-EXIT.
 ADD WS-77-HOLD-PAY-AMOUNT TO WS-TOT-RO-DOLLARS.
 ADD 1 TO WS-TOT-RO-ITEMS.
 C320-MERCHANT-DETAIL-EXIT.
 EXIT.

C400-TOTAL-BREAK.

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MOVE WS-TOT-RO-ITEMS TO TOT-ROL-ITEMS.
MOVE WS-TOT-RO-DOLLARS TO TOT-ROL-DOLLARS.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
MOVE TOT-ROL-DETAIL TO ROLLOVER-REPORT-LINE.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.
MOVE SPACES TO ROLLOVER-REPORT-LINE.
MOVE '0' TO CC-LINE
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM C900-WRITE-ROLL-LINE
THRU C900-WRITE-ROLL-LINE-EXIT.

MOVE ZEROS TO WS-TOT-RO-ITEMS
WS-TOT-RO-DOLLARS.
C900-TOTAL-BREAK-EXIT.
EXIT.

C800-WRITE-ROLL-PAGE.
MOVE 0 TO WS-TOTAL-ROLLOVER-LINES.
MOVE '1' TO CC-LINE.
MOVE ROLLOVER-REPORT-LINE TO JUNK-LINE.
MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE.
ADD 1 TO WS-TOTAL-ROLLOVER-LINES.
C800-WRITE-ROLL-PAGE-EXIT.
EXIT.

C900-WRITE-ROLL-LINE.
MOVE ROLLOVER-REPORT-LINE TO JUNK-LINE.
MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ROLLOVER-REPORT-LINE FROM WS-PRINT-LINE.
ADD ADVANCE-AMOUNT TO WS-TOTAL-ROLLOVER-LINES.
C900-WRITE-ROLL-LINE-EXIT.
EXIT.

* THE FOLLOWING MODULES PRODUCE THE ERROR REPORT FOR THIS *
* PROGRAM. *

D100-ERROR-HEADINGS.
MOVE 'N' TO ARE-CONS-ERR-HEADINGS-WRITTEN.
MOVE 'N' TO ARE-NRCH-ERR-HEADINGS-WRITTEN.
MOVE 'N' TO ARE-CONS-ERR-DETAIL-WRITTEN.
MOVE 'N' TO ARE-NRCH-ERR-DETAIL-WRITTEN.
MOVE ZEROS TO WS-TOTAL-ERROR-LINES.

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001725	03/13/91
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001733	03/13/91
001734	
001735	03/13/91
001736	03/13/91
001737	03/13/91
001738	
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001744	03/13/91
001745	03/13/91
001746	03/13/91
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ADD 1 TO WS-ERROR-PAGE-COUNT.
MOVE WS-ERROR-PAGE-COUNT TO ERR-PAGE-NUMBER.
MOVE SPACES TO ERROR-REPORT-LINE.
MOVE ERR-HEADING-1 TO ERROR-REPORT-LINE.
PERFORM D000-WRITE-ERROR-PAGE-EXIT.
THRU D000-WRITE-ERROR-PAGE-EXIT.
MOVE SPACES TO ERROR-REPORT-LINE.
MOVE . . TO CC-LINE
MOVE 1 TO ADVANCE-AMOUNT.
MOVE ERR-HEADING-2 TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE-EXIT.
THRU D900-WRITE-ERROR-LINE-EXIT.
D100-ERROR-HEADINGS-EXIT.
EXIT.

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D200-CONSUMER-ERROR-LINE.
IF CF-STATUS = 'A'
  ADD 1 TO WS-STATUS-A-CNT
ELSE
  IF CF-STATUS = 'I'
    ADD 1 TO WS-STATUS-I-CNT
  ELSE
    IF CF-STATUS = 'F'
      ADD 1 TO WS-STATUS-F-CNT
    ELSE
      IF CF-STATUS = 'D'
        ADD 1 TO WS-STATUS-D-CNT
      ELSE
        IF CF-STATUS = 'P'
          ADD 1 TO WS-STATUS-P-CNT
        ELSE
          IF CF-STATUS = 'C'
            ADD 1 TO WS-STATUS-C-CNT.
          MOVE 'CONSUMER STATUS IS ' TO WS-ERR-MESSAGE-STATUS.
          MOVE CF-STATUS TO WS-ERR-STATUS.
          MOVE WS-MESSAGE-STATUS TO WS-ERR-MESSAGE.
        IF FIRST-ERROR-RECORD
          MOVE 'N' TO IS-FIRST-ERROR-RECORD
          PERFORM D100-ERROR-HEADINGS
          THRU D100-ERROR-HEADINGS
        ELSE
          IF WS-TOTAL-ERROR-LINES > 45
            AND
            CP-SSN NOT = WS-PREVIOUS-ERROR-SSN
            PERFORM D400-TOTAL-BREAK
            THRU D400-TOTAL-BREAK-EXIT
            PERFORM D100-ERROR-HEADINGS
            THRU D100-ERROR-HEADINGS-EXIT

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001763	04/14/91
001764	04/14/91
001765	04/14/91
001766	04/14/91
001767	04/14/91
001768	04/14/91
001769	04/14/91
001770	05/13/91
001771	
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001780	04/14/91
001781	04/14/91
001782	04/14/91
001783	04/14/91
001784	04/14/91
001785	04/14/91
001786	04/14/91
001787	04/14/91
001788	04/14/91
001789	04/14/91
001790	04/14/91
001791	04/14/91
001792	04/14/91
001793	04/14/91
001794	04/14/91
001795	04/14/91
001796	04/14/91
001797	04/14/91
001798	04/14/91
001799	04/14/91
001800	04/14/91
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ELSE
  IF WS-TOTAL-ERROR-LINES > 45
    AND
    CP-SSN = WS-PREVIOUS-ERROR-SSN
    PERFORM D100-ERROR-HEADINGS
    THRU D100-ERROR-HEADINGS-EXIT
  ELSE
    IF CP-SSN NOT = WS-PREVIOUS-ERROR-SSN
      PERFORM D400-TOTAL-BREAK
      THRU D400-TOTAL-BREAK-EXIT.
    MOVE CP-SSN TO WS-PREVIOUS-ERROR-SSN.
    IF CONS-ERR-HEADING-NOT-WRITTEN
      PERFORM D210-CONSUMER-HEADINGS
      THRU D210-CONSUMER-HEADINGS-EXIT.
    IF CONS-ERR-DETAIL-NOT-WRITTEN
      PERFORM D220-CONSUMER-DETAIL
      THRU D220-CONSUMER-DETAIL-EXIT.
    MOVE SPACES TO ERROR-REPORT-LINE.
    MOVE ' ' TO CC-LINE.
    MOVE 1 TO ADVANCE-AMOUNT.
    MOVE WS-ERR-MESSAGE-LINE TO ERROR-REPORT-LINE.
    PERFORM D900-WRITE-ERROR-LINE
    THRU D900-WRITE-ERROR-LINE-EXIT.
    MOVE SPACES TO WS-ERR-MESSAGE.
    MOVE SPACE TO WS-ERR-STATUS.
    D200-CONSUMER-ERROR-LINE-EXIT.
    EXIT.
  D210-CONSUMER-HEADINGS.
  MOVE 'Y' TO ARE-CONS-ERR-HEADINGS-WRITTEN.
  MOVE SPACES TO ERROR-REPORT-LINE.
  MOVE ' ' TO CC-LINE.
  MOVE 3 TO ADVANCE-AMOUNT.
  MOVE ERR-HEADING-3 TO ERROR-REPORT-LINE.
  PERFORM D900-WRITE-ERROR-LINE
  THRU D900-WRITE-ERROR-LINE-EXIT.
  D210-CONSUMER-HEADINGS-EXIT.
  EXIT.
D220-CONSUMER-DETAIL.
MOVE 'Y' TO ARE-CONS-ERR-DETAIL-WRITTEN.
MOVE CP-SSN TO WS-77-SSN.
MOVE WS-77-SSN TO WS-SSN-IN.
MOVE WS-SSN-1513-IN TO WS-SSN-1513-OUT.

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MOVE WS-SSN-2ND2-IN TO WS-SSN-2ND2-OUT.
 MOVE WS-SSN-LAST4-IN TO WS-SSN-LAST4-OUT.
 MOVE WS-SSN-OUT TO ERR-SSN.
 MOVE CF-LAST-NAME TO ERR-LAST-NAME.
 MOVE CF-FIRST-NAME TO ERR-FIRST-NAME.
 MOVE CF-MID-INIT TO ERR-MI.

MOVE WS-ERR-MESSAGE TO ERR-MESSAGE.

MOVE SPACES TO ERROR-REPORT-LINE.

MOVE . . TO CC-LINE

MOVE 1 TO ADVANCE-AMOUNT.

MOVE ERR-DETAIL-1 TO ERROR-REPORT-LINE.

PERFORM D900-WRITE-ERROR-LINE

THRU D900-WRITE-ERROR-LINE-EXIT.

D220-CONSUMER-DETAIL-EXIT.
 EXIT.

D300-MERCHANT-ERROR-LINE.

IF FIRST-ERROR-RECORD

MOVE 'N' TO IS-THE-FIRST-ERROR-RECORD

PERFORM D100-ERROR-HEADINGS

THRU D100-ERROR-HEADINGS

ELSE

IF WS-TOTAL-ERROR-LINES > 45

AND

CP-SSN NOT = WS-PREVIOUS-ERROR-SSN

AND

MCH-ERR-DETAIL-NOT-WRITTEN

PERFORM D400-TOTAL-BREAK

THRU D400-TOTAL-BREAK-EXIT

PERFORM D100-ERROR-HEADINGS

THRU D100-ERROR-HEADINGS-EXIT

ELSE

IF WS-TOTAL-ERROR-LINES > 45

AND

CP-SSN = WS-PREVIOUS-ERROR-SSN

AND

MCH-ERR-DETAIL-NOT-WRITTEN

PERFORM D100-ERROR-HEADINGS

THRU D100-ERROR-HEADINGS-EXIT

ELSE

IF CP-SSN NOT = WS-PREVIOUS-ERROR-SSN

PERFORM D400-TOTAL-BREAK

THRU D400-TOTAL-BREAK-EXIT.

MOVE CP-SSN TO WS-PREVIOUS-ERROR-SSN.

IF WS-TOTAL-ERROR-LINES > 55

PERFORM D100-ERROR-HEADINGS

THRU D100-ERROR-HEADINGS-EXIT.

IF CONS-ERR-HEADING-NOT-WRITTEN

001865	04/14/91
001866	
001867	04/14/91
001868	04/14/91
001869	04/14/91
001870	04/14/91
001871	04/14/91
001872	04/14/91
001873	
001874	
001875	03/13/91
001876	
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001892	03/13/91
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001894	03/13/91
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PERFORM D210-CONSUMER-HEADINGS
THRU D210-CONSUMER-HEADINGS-EXIT.
IF COMS-ERR-DETAIL-NOT-WRITTEN
PERFORM D220-CONSUMER-DETAIL
THRU D220-CONSUMER-DETAIL-EXIT.
IF MRCH-ERR-HEADING-NOT-WRITTEN
PERFORM D310-MERCHANT-HEADINGS
THRU D310-MERCHANT-HEADINGS-EXIT.
IF MRCH-ERR-DETAIL-NOT-WRITTEN
PERFORM D320-MERCHANT-DETAIL
THRU D320-MERCHANT-DETAIL-EXIT
GO TO D300-MERCHANT-ERROR-LINE-EXIT.

MOVE SPACES TO ERROR-REPORT-LINE.
MOVE . . TO CC-LINE.
MOVE 1 TO ADVANCE-AMOUNT.
MOVE WS-ERR-MESSAGE-LINE TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE
THRU D900-WRITE-ERROR-LINE-EXIT.

MOVE SPACES TO ERROR-REPORT-LINE.
D300-MERCHANT-ERROR-LINE-EXIT.
EXIT.

D310-MERCHANT-HEADINGS.
MOVE 'V' TO ARE-MRCH-ERR-HEADINGS-WRITTEN.
MOVE SPACES TO ERROR-REPORT-LINE.
MOVE '0' TO CC-LINE.
MOVE 2 TO ADVANCE-AMOUNT.
MOVE ERR-HEADING-4 TO ERROR-REPORT-LINE.
PERFORM D900-WRITE-ERROR-LINE
THRU D900-WRITE-ERROR-LINE-EXIT.
D310-MERCHANT-HEADINGS-EXIT.
EXIT.

D320-MERCHANT-DETAIL.
MOVE 'V' TO ARE-MRCH-ERR-DETAIL-WRITTEN.

MOVE CP-CHK-PHONE TO WS-77-PHONE.
MOVE WS-77-PHONE TO WS-PHONE-NUMBER-IN
MOVE WS-AREA-CODE-IN TO WS-AREA-CODE-OUT
MOVE WS-PHONE-EXCHG-IN TO WS-PHONE-EXCHG-OUT
MOVE WS-PHONE-EXT-IN TO WS-PHONE-EXT-OUT
MOVE WS-PHONE-NUMBER-OUT TO ERR-PHONE-NUMBER
MOVE CP-CHK-CR-PHONE TO ERR-CRP
MOVE CP-MRCH-NAME TO ERR-MERCHANT
MOVE CP-ACCT-NBR TO ERR-ACCOUNT-NUMBER
MOVE CP-MRCH-AMT TO ERR-AMOUNT

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001926	04/14/91
001927	04/14/91
001928	04/14/91
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001930	04/14/91
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001935	
001936	04/14/91
001937	04/14/91
001938	
001939	
001940	
001941	
001942	
001943	
001944	03/13/91
001945	
001946	
001947	
001948	
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001950	
001951	
001952	
001953	
001954	
001955	
001956	04/14/91
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001958	
001959	
001960	
001961	
001962	04/18/91
001963	04/14/91
001964	04/14/91
001965	04/14/91
001966	04/14/91

IF CP-PAY-TYPE = 'F' OR CP-PAY-TYPE = 'V'
 MOVE CP-PAY-TYPE TO ERR-PAYMENT-TYPE-1
 MOVE SPACES TO ERR-PAYMENT-TYPE-2
 ELSE
 MOVE 'V' TO ERR-PAYMENT-TYPE-1
 MOVE CP-PAY-TYPE TO ERR-PAYMENT-TYPE-2.

MOVE CP-MRCH-PAY-DATE TO WS-77-DATE.
 MOVE WS-77-DATE TO WS-DATE-YMD
 MOVE WS-Y-YMD TO WS-Y-MDY-SLASHES
 MOVE WS-M-YMD TO WS-M-MDY-SLASHES
 MOVE WS-D-YMD TO WS-D-MDY-SLASHES
 MOVE WS-DATE-MDY-WITH-SLASHES TO ERR-PAY-DATE.

MOVE SPACES TO ERROR-REPORT-LINE.

MOVE ' ' TO CC-LINE
 MOVE 1 TO ADVANCE-AMOUNT.
 MOVE ERR-DETAIL-2 TO ERROR-REPORT-LINE.
 PERFORM D900-WRITE-ERROR-LINE
 THRU D900-WRITE-ERROR-LINE-EXIT.

ADD CP-MRCH-AMT TO WS-TOT-ERR-DOLLARS.
 ADD 1 TO WS-TOT-ERR-ITEMS.
 D320-MERCHANT-DETAIL-EXIT.
 EXIT.

D400-TOTAL-BREAK.
 ADD WS-TOT-ERR-DOLLARS TO WS-GND-TOT-ERR-DOLLARS.
 ADD WS-TOT-ERR-ITEMS TO WS-GND-TOT-ERR-ITEMS.
 MOVE WS-TOT-ERR-ITEMS TO TOT-ERR-ITEMS.
 MOVE WS-TOT-ERR-DOLLARS TO TOT-ERR-DOLLARS.
 MOVE SPACES TO ERROR-REPORT-LINE.
 MOVE '0' TO CC-LINE
 MOVE 2 TO ADVANCE-AMOUNT.
 MOVE TOT-ERR-DETAIL TO ERROR-REPORT-LINE.
 PERFORM D900-WRITE-ERROR-LINE
 THRU D900-WRITE-ERROR-LINE-EXIT.
 MOVE SPACES TO ERROR-REPORT-LINE.
 MOVE '0' TO CC-LINE
 MOVE 2 TO ADVANCE-AMOUNT.
 PERFORM D900-WRITE-ERROR-LINE
 THRU D900-WRITE-ERROR-LINE-EXIT.
 MOVE ZEROS TO WS-TOT-ERR-ITEMS
 WS-TOT-ERR-DOLLARS.
 D400-TOTAL-BREAK-EXIT.
 EXIT.

D000-WRITE-ERROR-PAGE.
 MOVE 0 TO WS-TOTAL-ERROR-LINES.
 MOVE '1' TO CC-LINE.

001967	04/14/91
001968	04/14/91
001969	04/14/91
001970	04/14/91
001971	04/14/91
001972	04/14/91
001973	04/14/91
001974	04/14/91
001975	04/14/91
001976	04/14/91
001977	04/14/91
001978	04/14/91
001979	04/14/91
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002001	04/14/91
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002004	04/14/91
002005	04/14/91
002006	04/14/91
002007	04/14/91
002008	04/14/91
002009	04/14/91
002010	04/14/91
002011	04/14/91
002012	04/14/91
002013	04/14/91
002014	04/14/91
002015	04/14/91
002016	04/14/91
002017	04/14/91

03/13/91

03/13/91

03/13/91

03/13/91

MOVE ERROR-REPORT-LINE TO JUNK-LINE.
MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
ADD 1 TO WS-TOTAL-ERROR-LINES.
D900-WRITE-ERROR-PAGE-EXIT.
EXIT.

D900-WRITE-ERROR-LINE.
MOVE ERROR-REPORT-LINE TO JUNK-LINE.
MOVE WS-LAST-COMMIT-COUNT TO JUNK-COMMIT-KEY.
WRITE ERROR-REPORT-LINE FROM WS-PRINT-LINE
ADD ADVANCE-AMOUNT TO WS-TOTAL-ERROR-LINES.
D900-WRITE-ERROR-LINE-EXIT.
EXIT.

THE FOLLOWING MODULES EXTRACT INFORMATION FROM THESE TWO FILE *
* T001_CONSUMER_FILE AND P0_MERCHANT_MASTER.FILE *****

E100-GET-CONSUMER-INFO.
MOVE *SELECT FROM T001 IN PARAGRAPH E100.
TO STEP-DENOTER.
MOVE *N* TO ARE-CONS-ERR-DETAIL-WRITTEN.
MOVE *N* TO ARE-CONS-RO-DETAIL-WRITTEN.
EXEC SQL SELECT

CF_SSN,
CF_CHK_ID,
CF_LAST_NAME,
CF_FIRST_NAME,
CF_MID INIT,
CF_ADDRESS1,
CF_ADDRESS2,
CF_CITY,
CF_STATE,
CF_ZIP,
CF_ZIP_4,
CF_ROUTE_TRANS,
CF_ACCT_NBR,
CF_PAPR_RT_TRANS,
CF_PAPR_ACCT_NBR,
CF_CCARD_NBR,
CF_CCARD_EXP_DATE,
CF_MAIDEN_NAME,
CF_DECLINE_STATUS,
CF_STATUS,
CF_VIP_STATUS,
CF_VIP_STATUS2,
CF_LAST_TRANS_DATE,

002010	03/15/91
002019	03/15/91
002020	10/31/90
002021	
002022	
002023	
002024	
002025	
002026	03/15/91
002027	
002028	03/15/91
002029	10/31/90
002030	
002031	
002032	
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002059	04/20/91
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002066	
002067	02/10/91
002068	

CF_CREDIT_LIMIT,
CF_CHECK_LIMIT,
CF_CF_MTH_ITEMS,
CF_CF_MTH_BAL,
CF_CF_YTD_ITEMS,
CF_CF_YTD_BAL,
CF_TOT_MTH_ITEMS,
CF_TOT_MTH_BAL,
CF_TOT_YTD_ITEMS,
CF_TOT_YTD_BAL,
CF_FREE_FLAG,
CF_NBR_FREE,
CF_FEE_MATRIX,
CF_PRENOTE_DATE,
CF_EFT_CODE,
CF_BANK_NAME,
CF_CHECK_SAVE,
CF_RESET_PRENOTE

INTO

:CF-SSN,
:CF-CHECK-ID,
:CF-LAST-NAME,
:CF-FIRST-NAME,
:CF-MID-INIT,
:CF-ADDRESS1,
:CF-ADDRESS2,
:CF-CITY,
:CF-STATE,
:CF-ZIP,
:CF-ZIP-4,
:CF-ROUTE-TRANS,
:CF-ACCT-NBR,
:CF-PAPR-RT-TRANS,
:CF-PAPR-ACCT-NBR,
:CF-CCARD-NBR,
:CF-CCARD-EXP-DATE,
:CF-MAIDEN-NAME,
:CF-DECLINE-STATUS,
:CF-STATUS,
:CF-VIP-STATUS,
:CF-VIP-STATUS2,
:CF-LAST-TRANS-DATE,
:CF-CREDIT-LIMIT,
:CF-CHECK-LIMIT,
:CF-CF-MTH_ITEMS,
:CF-CF-MTH-BAL,
:CF-CF-YTD_ITEMS,
:CF-CF-YTD-BAL,
:CF-TOT-MTH_ITEMS,
:CF-TOT-MTH-BAL,
:CF-TOT-YTD_ITEMS,

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002118
002119

04/20/91
04/20/91

02/10/91

```

:CF-TOT-YTD-BAL,
:CF-FREE-FLAG,
:CF-MDR-FREE,
:CF-FEE-MATRIX,
:CF-PRENOTE-DATE,
:CF-EFT-CODE,
:CF-BANK-NAME,
:CF-CHECK-SAVE,
:CF-RESET-PRENOTE
FROM T001_CONSUMER_FILE
WHERE CF_SSN = :CF-SSN
END-EXEC.

```

```

IF SQLCODE = 100
MOVE 'V' TO IS-RECORD-IN-ERROR
MOVE 'V' TO IS-CONSUMER-IN-ERROR
MOVE 'NOT ON CONSUMER FILE' TO ERR-MSG-2,
NS-ERR-MSG
MOVE ALL 'X' TO CF-FIRST-NAME, ERR-LAST-NAME
CF-FIRST-NAME, ERR-FIRST-NAME
CF-MID-INIT, ERR-MI
PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

```

IF CF-STATUS = 'A'
NEXT SENTENCE
ELSE
MOVE 'V' TO IS-RECORD-IN-ERROR
MOVE 'V' TO IS-CONSUMER-IN-ERROR
PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

```

IF CF-EFT-CODE = 'E' OR 'P' OR 'B'
NEXT SENTENCE
ELSE
MOVE 'V' TO IS-RECORD-IN-ERROR
MOVE 'V' TO IS-CONSUMER-IN-ERROR
MOVE 'EFT CODE NOT E OR P OR B' TO ERR-MSG-2,
NS-ERR-MSG
PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT.

```

```

IF CP-PAY-TYPE = 'F'
IF CP-PAY-FREQ = 'A' OR 'B' OR 'W' OR 'Q' OR 'S' OR 'T'
OR 'M'
NEXT SENTENCE
ELSE
MOVE 'V' TO IS-RECORD-IN-ERROR
MOVE 'V' TO IS-CONSUMER-IN-ERROR
MOVE 'PAY FREQ INVALID' TO ERR-MSG-2,
NS-ERR-MSG

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002120	
002121	
002122	
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002170	

04/14/91
04/14/91

PERFORM D200-CONSUMER-ERROR-LINE
THRU D200-CONSUMER-ERROR-LINE-EXIT.

IF CF-VIP-STATUS = 'N' AND

CF-VIP-STATUS2 = '14'

MOVE 'Y' TO PAY-BY-PHONE-SM

ELSE

MOVE 'N' TO PAY-BY-PHONE-SM.

E100-GET-CONSUMER-INFO-EXIT.

EXIT.

E200-GET-MERCHANT-INFO.

MOVE 'E200-GET-MERCHANT-INFO' TO STEP-DENOTER.

MOVE 'N' TO ARE-MRCH-ERR-DETAIL-WRITTEN.

MOVE CP-MRCH-PHONE TO WS-77-PHONE.

MOVE WS-77-PHONE TO MMR-PHONE.

MOVE CP-MRCH-CR-PHONE TO WS-77-CR-PHONE.

MOVE WS-77-CR-PHONE TO MMR-CR-PHONE.

READ MERCHANT-FILE.

IF MMR-STAT = '00'

NEXT SENTENCE

ELSE

MOVE 'V' TO IS-RECORD-IN-ERROR

IF CONS-ERR-DETAIL-NOT-WRITTEN

MOVE ' ' TO WS-ERR-MESSAGE

PERFORM D200-CONSUMER-ERROR-LINE

THRU D200-CONSUMER-ERROR-LINE-EXIT

MOVE 'NOT ON MERCHANT FILE' TO ERR-MESSAGE-2,

WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE

THRU D300-MERCHANT-ERROR-LINE-EXIT

ELSE

MOVE 'NOT ON MERCHANT FILE' TO ERR-MESSAGE-2,

WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE

THRU D300-MERCHANT-ERROR-LINE-EXIT.

IF CONSUMER-IN-ERROR

MOVE 'V' TO IS-RECORD-IN-ERROR

MOVE 'CONSUMER RECORD IN ERROR' TO ERR-MESSAGE-2,

WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE

THRU D300-MERCHANT-ERROR-LINE-EXIT

MOVE 'CANNOT PROCESS THIS PAYMENT' TO ERR-MESSAGE-2,

WS-ERR-MESSAGE

PERFORM D300-MERCHANT-ERROR-LINE

THRU D300-MERCHANT-ERROR-LINE-EXIT.

002171	02/10/91
002172	
002173	
002174	02/10/91
002175	02/10/91
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002181	
002182	
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002184	
002185	
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002189	
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002191	
002192	
002193	
002194	
002195	03/13/91
002196	
002197	
002198	
002199	
002200	
002201	
002202	04/14/91
002203	04/14/91
002204	
002205	
002206	
002207	04/14/91
002208	04/14/91
002209	
002210	
002211	
002212	
002213	04/14/91
002214	04/14/91
002215	04/14/91
002216	
002217	
002218	04/14/91
002219	04/14/91
002220	
002221	


```

MOVE 'N' TO STLCODE-IM-TABLE-SW.
IF MMR-STAT NOT = '00'
    NEXT SENTENCE
ELSE
    IF MMR-ROUTE-SETTLE EQUAL '01'
        OR MMR-ROUTE-SETTLE EQUAL '02'
        OR MMR-ROUTE-SETTLE EQUAL '03'
        OR MMR-ROUTE-SETTLE EQUAL '10'
        OR MMR-ROUTE-SETTLE EQUAL '11'
        OR MMR-ROUTE-SETTLE EQUAL '12'
        NEXT SENTENCE
    ELSE
        PERFORM F110-LOCATE-STLCODE-INDEX
        THRU F110-LOCATE-STLCODE-INDEX-EXIT
        IF STLCODE-IM-TABLE
            NEXT SENTENCE
        ELSE
            MOVE '01' TO MMR-ROUTE-SETTLE.
            IF MMR-PRENOTE-RESET > SQL-DRAFT-DATE
                IF MMR-ROUTE-SETTLE = '10'
                    MOVE '01' TO MMR-ROUTE-SETTLE
                ELSE
                    IF MMR-ROUTE-SETTLE = '11'
                        MOVE '02' TO MMR-ROUTE-SETTLE
                    ELSE
                        IF MMR-ROUTE-SETTLE = '12'
                            MOVE '03' TO MMR-ROUTE-SETTLE.
            EXIT.
E200-GET-MERCHANT-INFO-EXIT.

E300-CHECK-PRENOTE.
IF CP-PRENOTE-RESET > SQL-DRAFT-DATE OR
CP-ACCT-SCHEME NOT = 'V'
    IF MMR-ROUTE-SETTLE = '01'
        NEXT SENTENCE
    ELSE
        IF MMR-ROUTE-SETTLE = '02'
            NEXT SENTENCE
        ELSE
            IF MMR-ROUTE-SETTLE = '03'
                NEXT SENTENCE
            ELSE
                IF MMR-ROUTE-SETTLE = '10'
                    MOVE '01' TO MMR-ROUTE-SETTLE
                ELSE
                    IF MMR-ROUTE-SETTLE = '11'
                        MOVE '02' TO MMR-ROUTE-SETTLE

```

```

002222 05/25/91
002223 05/13/91
002224 05/13/91
002225 05/13/91
002226 05/25/91
002227 05/25/91
002228 05/25/91
002229 05/25/91
002230 05/25/91
002231 05/25/91
002232 05/25/91
002233 05/25/91
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ELSE
  IF MMR-ROUTE-SETTLE = '12'
    MOVE '03' TO MMR-ROUTE-SETTLE
  ELSE
    MOVE '01' TO MMR-ROUTE-SETTLE.

```

E300-CHECK-PRENOTE-EXIT.
EXIT.

```

*****
* THE FOLLOWING MODULE CHECKS FOR PAYMENT ROLLOVER AND MOVES *
* THOSE VALUES TO PROPER FIELDS IN TABLE T002_CONSUMER_PAY *
*****

```

F100-ROLLOVER-ROUTINE.

* MOVE CURRENT VALUES FOR THESE FIELDS TO THE OUTPUT REPORT
* BEFORE THEY ARE ROLLED FORWARD.

```

MOVE CP-MRCH-AMT TO WS-77-AMOUNT.
MOVE WS-77-AMOUNT TO WS-77-HOLD-PAY-AMOUNT.
MOVE CP-MRCH-PAY-DATE TO WS-77-DATE.
MOVE WS-77-DATE TO WS-77-HOLD-PAY-DATE.
MOVE WS-77-DATE TO WS-DATE-YMD.
MOVE WS-M-YMD TO WS-M-NDY-SLASHES
MOVE WS-D-YMD TO WS-D-NDY-SLASHES
MOVE WS-Y-YMD TO WS-Y-NDY-SLASHES
MOVE WS-DATE-NDY-WITH-SLASHES TO RO-PAY-DATE.

```

```

MOVE ZEROS TO DATE-NNDDYY
MOVE ZEROS TO DATE-VVYVDD
MOVE ZEROS TO DATE-RED-1
MOVE ZEROS TO DATE-RED-2
MOVE ZEROS TO DATE-RED-3
MOVE ZEROS TO DATE-NNDDYY

```

```

IF PAY-BY-PHONE
  MOVE CP-MRCH-AMT TO DRAFT-LAST-AMT
  MOVE CP-MRCH-PAY-DATE TO DRAFT-LAST-DATE.

```

***** ROLL PAYMENT DATE FORWARD.
IF (CP-NDR-REMAIN > 0

OR
CP-NDR-REMAIN = -1)

```

AND
CP-PAY-TYPE = 'F'
MOVE CP-MRCH-PAY-DATE TO WS-77-DATE
MOVE WS-77-DATE TO WS-DATE-YMD
MOVE WS-M-YMD TO HOLD-M-FFNNDDYY
MOVE WS-D-YMD TO HOLD-D-FFNNDDYY

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```


***** MOVE ROLLOVER VALUES TO DETAIL REPORT.
MOVE SPACES TO RO-EXTRA-PAYMENT.

F100-ROLLOVER-ROUTINE-EXIT.
EXIT.

```

*****
* IF THE SETTLEMENT CODE IS NOT ONE OF THE HARDCODED ONES,
* '01','02','03','10','11','12', THEN LOOK IN THE TABLE
* TO FIND IT. IF THE TABLE ENTRY IS FOUND, THEN THE
* STLCODE-IN-TABLE WILL BE TRUE AND THE INDEX WILL POINT TO
* THE PROPER ENTRY.
* NOTE: THE SEARCH LOOKS UNTIL END OF TABLE OR WE HAVE
* GONE BEYOND THE SETTLEMENT CODE WE ARE LOOKING FOR.
*****
F110-LOCATE-STLCODE-INDEX.
  SET TFR-IDX TO 1.
  PERFORM
  UNTIL TFR-IDX GREATER THAN TRAFREE-TBL-ENTRIES
  OR TFR-TBL-SC-CODE (TFR-IDX) EQUAL NMR-ROUTE-SETTLE
  OR TFR-TBL-SC-CODE (TFR-IDX) GREATER THAN NMR-ROUTE-SETTLE
  SET TFR-IDX UP BY 1
  END-PERFORM.
  IF TFR-IDX GREATER THAN TRAFREE-TBL-ENTRIES
  MOVE 'N' TO STLCODE-IN-TABLE-SV
  ELSE
  IF TFR-TBL-SC-CODE (TFR-IDX) EQUAL NMR-ROUTE-SETTLE
  MOVE 'Y' TO STLCODE-IN-TABLE-SV
  ELSE
  MOVE 'N' TO STLCODE-IN-TABLE-SV.
F110-LOCATE-STLCODE-INDEX-EXIT.
EXIT.

```

```

*****
* THE FOLLOWING MODULE CHECKS CP-CHG-DATE TO SEE IF A DAY VALUE
* HAS BEEN STORED THERE BY PDL0010. IF THERE, THE NUMBER IS
* THE CUSTOMER'S CHOSEN DRAFT DAY UNCORRUPTED BY ROLLING FROM
* MONTH TO MONTH.
*****
F115-CHECK-MONTH-END.
  IF CP-PAY-FREQ = 'B' OR 'W'
  NO CHANGES FOR WEEKLY TYPE PAYMENTS
  GO TO F115-CHECK-MONTH-END-EXIT
  END-IF
  IF CP-CHG-DATE = 29 OR 30 OR 31
  MOVE CP-CHG-DATE TO DATE-DB
  MOVE DATE-MDDVVVY TO DATE-EOM
  MOVE DATE-N-EOM TO DATE-M
  MOVE DATE-D-EOM TO DATE-D

```

```

*****
* THE FOLLOWING MODULE CHECKS CP-CHG-DATE TO SEE IF A DAY VALUE
* HAS BEEN STORED THERE BY PDL0010. IF THERE, THE NUMBER IS
* THE CUSTOMER'S CHOSEN DRAFT DAY UNCORRUPTED BY ROLLING FROM
* MONTH TO MONTH.
*****
F115-CHECK-MONTH-END.
  IF CP-PAY-FREQ = 'B' OR 'W'
  NO CHANGES FOR WEEKLY TYPE PAYMENTS
  GO TO F115-CHECK-MONTH-END-EXIT
  END-IF
  IF CP-CHG-DATE = 29 OR 30 OR 31
  MOVE CP-CHG-DATE TO DATE-DB
  MOVE DATE-MDDVVVY TO DATE-EOM
  MOVE DATE-N-EOM TO DATE-M
  MOVE DATE-D-EOM TO DATE-D

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002375	04/14/91
002376	
002377	
002378	
002379	
002380	
002381	05/25/91
002382	05/25/91
002383	05/25/91
002384	05/25/91
002385	05/25/91
002386	05/25/91
002387	05/25/91
002388	05/25/91
002389	05/25/91
002390	05/25/91
002391	05/25/91
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002396	05/25/91
002397	05/25/91
002398	05/25/91
002399	05/25/91
002400	05/25/91
002401	05/25/91
002402	05/25/91
002403	05/25/91
002404	05/25/91
002405	05/25/91
002406	05/25/91
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002414	
002415	06/05/91
002416	06/05/91
002417	06/05/91
002418	06/05/91
002419	06/05/91
002420	06/05/91
002421	06/05/91
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002424	
002425	

MOVE DATE-Y-EOB TO DATE-Y
PERFORM END-OF-MONTH THRU
END-OF-MONTH-EXIT
MOVE DATE-M TO DATE-M-EOB
MOVE DATE-D TO DATE-D-EOB
MOVE DATE-Y TO DATE-Y-EOB
MOVE DATE-EOB TO DATE-MDDYYV.

F115-CHECK-MONTH-END-EXIT.
EXIT.

* THE FOLLOWING MODULE GETS THE CORRECT VALUES TO BE PASSED THE *
* DATE ROUTINES FOR FUTURE DATE CALCULATIONS. *

F120-GET-ROLL-VALUES.

IF CP-PAY-FREQ = 'A'
MOVE 'M' TO DATE-PERIOD
MOVE 12 TO DATE-FREQ.
IF CP-PAY-FREQ = 'Q'
MOVE 'D' TO DATE-PERIOD
MOVE 14 TO DATE-FREQ.
IF CP-PAY-FREQ = 'M'
MOVE 'M' TO DATE-PERIOD
MOVE 1 TO DATE-FREQ.
IF CP-PAY-FREQ = 'Q'
MOVE 'M' TO DATE-PERIOD
MOVE 3 TO DATE-FREQ.
IF CP-PAY-FREQ = 'S'
MOVE 'M' TO DATE-PERIOD
MOVE 6 TO DATE-FREQ.
IF CP-PAY-FREQ = 'Y'
MOVE 'M' TO DATE-PERIOD
MOVE 4 TO DATE-FREQ.
IF CP-PAY-FREQ = 'W'
MOVE 'D' TO DATE-PERIOD
MOVE 7 TO DATE-FREQ.

F120-GET-ROLL-VALUES-EXIT.
EXIT.

* THE FOLLOWING MODULES CREATE THE CREDIT AND DEBITS RECORDS *
* AND LOADS THEM INTO THE TRANSLD. *

G100-TRANSLD-RECORD.

ADD WS-77-HOLD-PAY-AMOUNT TO CF-TOT-MTH-BAL,
CF-TOT-VTD-BAL,
IFR-COL-TOT-DOLLARS,

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IFR-RMT-TOT-DOLLARS.
ADD 1 TO CF-TOT-MTH-ITEMS,
CF-TOT-YTD-ITEMS,
IFR-COL-TOT-ITEMS,
IFR-RMT-TOT-ITEMS.

EVALUATE TRUE
WHEN MMR-CREDIT-LIMIT NOT NUMERIC
MOVE 50.01 TO WS-CREDIT-LIMIT
WHEN MMR-CREDIT-LIMIT < 51
MOVE 50.01 TO WS-CREDIT-LIMIT
WHEN OTHER
COMPUTE WS-CREDIT-LIMIT = MMR-CREDIT-LIMIT + .01
END-EVALUATE

*** NOTES FOR THIS SECTION.
*** IF THE CF-STATUS IS A 'P'. THEN THIS IS A PRENOTE ITEM
*** AND ANY NOTIFICATIONS CREATED FOR PRENOTES NEED TO BE
*** PAPER ITEMS.
*** IF THE CF-STATUS IS NOT A 'P'. THEN IT MUST BE AN 'A'.
*** IN WHICH CASE THIS IS GOING TO BE A CONSUMER DEBIT.
*** ON CONSUMER DEBITS IF THE EFT CODE IS 'P'. AND THE DEBIT
*** AMOUNT IS LESS THEN THE CHECK LIMIT AND THE DEBIT AMOUNT
*** PLUS THE CURRENT MONTH TO DATE BALANCE IS LESS THEN THE
*** CREDIT LIMIT THIS ITEM WILL BE PAID THRU CHECKFREE
*** VIA SETTLEMENT CHECK.
*** IF THE ITEM IS NOT WITHIN THESE LIMITS THEN THE ITEM
*** WILL BE PAID VIA PAPER CHECK PAYABLE THRU CONSUMER.
*** IF THE EFT CODE IS 'E'. AND THE DEBIT AMOUNT IS LESS THEN THE
*** CHECK LIMIT AND THE DEBIT AMOUNT PLUS THE CURRENT MONTH TO
*** DATE BALANCE IS LESS THEN THE CREDIT LIMIT THIS ITEM
*** WILL BE PAID VIA ACH.
*** IF THE ITEM IS NOT WITHIN THESE LIMITS THEN THE ITEM
*** WILL BE PAID VIA PAPER CHECK PAYABLE THRU CONSUMER.

IF CF-STATUS = 'P'.
OR
ICF-RESET-PRENOTE > 0
AND
WS-77-HOLD-PAY-DATE < CF-RESET-PRENOTE)
PERFORM G130-PAPER-ITEMS
THRU G130-PAPER-ITEMS-EXIT

ELSE
IF THE EFT IS A 'P'. CREATE A PAPER CHECK REGARDLESS OF
THE AMOUNT. THIS IS BEING DONE BECAUSE WE DON'T CURRENTLY
HAVE AN EXTRACT PROGRAM TO CREATE PAYABLE THRU CHECKFREE
CHECKS.
IF CF-EFT-CODE = 'P'.
PERFORM G130-PAPER-ITEMS
THRU G130-PAPER-ITEMS-EXIT

002477 05/25/91
002478
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002480 05/25/91
002481 05/25/91
002482
002483 01/02/91
002484 01/02/91
002485 01/02/91
002486 01/02/91
002487 01/02/91
002488 01/02/91
002489 01/02/91
002490 01/02/91
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ELSE
  IF CF-EFT-CODE = 'E' OR 'B'
    IF NMR-MC-ACCT-SCHEME-CHECK = 'V' AND
      (CP-ACCT-SCHEME = 'R' OR
       CP-ACCT-SCHEME = 'N')
      PERFORM G130-PAPER-ITEMS
      THRU G130-PAPER-ITEMS-EXIT
    ELSE
      IF WS-77-HOLD-PAY-AMOUNT < WS-CREDIT-LIMIT AND
        CF-CHECK-LIMIT > ZEROS
        PERFORM G140-ACH-ITEMS
        THRU G140-ACH-ITEMS-EXIT
      ELSE
        IF WS-77-HOLD-PAY-AMOUNT < CF-CHECK-LIMIT
          OR = CF-CHECK-LIMIT
          ADD WS-77-HOLD-PAY-AMOUNT TO CF-CF-MTH-BAL
          IF CF-CF-MTH-BAL < CF-CREDIT-LIMIT
            OR = CF-CREDIT-LIMIT
            PERFORM G140-ACH-ITEMS
            THRU G140-ACH-ITEMS-EXIT
          ELSE
            SUBTRACT WS-77-HOLD-PAY-AMOUNT
              FROM CF-CF-MTH-BAL
            PERFORM G130-PAPER-ITEMS
            THRU G130-PAPER-ITEMS-EXIT
          ELSE
            PERFORM G130-PAPER-ITEMS
            THRU G130-PAPER-ITEMS-EXIT.

MOVE 2 TO PDR-DB-CR-CODE.
MOVE '2' TO PDR-STATUS.
MOVE CP-NRCH-PHONE TO PDR-NRCH-PHONE.
MOVE CP-NRCH-CR-PHONE TO PDR-NRCH-CR-PHONE.
MOVE NMR-REMIT-ADDR1 TO PDR-NRCH-ADDR1.
MOVE NMR-REMIT-ADDR2 TO PDR-NRCH-ADDR2.
MOVE NMR-REMIT-CITY TO PDR-NRCH-CITY.
MOVE NMR-REMIT-ST TO PDR-NRCH-STATE.
MOVE NMR-REMIT-ZIP TO PDR-NRCH-ZIP.
MOVE NMR-ROUTE-SETTLE TO PDR-NRCH-SETTLE.
MOVE CP-SSN TO PDR-CUST-SSN.
MOVE CF-FIRST-NAME TO PDR-FIRST-NAME.
MOVE CF-LAST-NAME TO PDR-LAST-NAME.
MOVE CF-MID-INIT TO PDR-MID-INIT.
MOVE CP-ACCT-NBR TO PDR-CUST-ACCT.
PERFORM CHECK-EFT-CODE THRU CHECK-EXIT.
MOVE CF-CHECK-SAVE TO PDR-CHECK-SAVE.
MOVE WS-77-HOLD-PAY-DATE TO PDR-PROC-DATE.
MOVE WS-77-HOLD-PAY-AMOUNT TO PDR-AMT.
MOVE 'PAYMENT' TO PDR-DESCRIPTION.

```

002528
002529 04/20/91
002530 10/31/90
002531 10/31/90
002532 10/31/90
002533 10/31/90
002534 10/31/90
002535 10/31/90
002536 01/02/91
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002578

04/20/91
04/20/91

MOVE WS-TRACE-NBR TO WS-77-TRACE-NBR.
 MOVE WS-77-TRACE-NBR TO PDR-JUL-DATE.
 MOVE 'C' TO PDR-TRANFREE.
 MOVE SPACES TO PDR-ORIGIN.
 MOVE PDR-JUL-DATE TO TRACKING-JULIAN-DATE.
 PERFORM TRACKING-NBR-CALC
 THRU TRACKING-NBR-CALC-EXIT.
 MOVE TRACKING-NBR-ENC TO PDR-TRACK-NBR.

PERFORM G150-WRITE-HISTORY
 THRU G150-WRITE-HISTORY-EXIT.

PERFORM G900-WRITE-TRANHOLD
 THRU G900-WRITE-TRANHOLD-EXIT.
 IF RO-METHOD = 'A' OR 'C'.

PERFORM G200-CREATE-MRCH-CREDIT
 THRU G200-CREATE-MRCH-CREDIT-EXIT
 ELSE

GO TO G100-TRANHOLD-RECORD-EXIT.
 G100-TRANHOLD-RECORD-EXIT.
 EXIT.

G120-CHECK-ITEMS.

*** SETTLEMENT CHECK PAYABLE THRU CHECKFREE.

ADD 1 TO TFR-COL-CNK-ITEMS
 CF-CF-MTN-ITEMS
 CF-CF-VTD-ITEMS.
 ADD WS-77-HOLD-PAY-AMOUNT TO
 TFR-COL-CNK-DOLLARS
 CF-CF-VTD-BAL.
 MOVE MMH-ABRV TO PDR-MRCH-ABRV.

*** CNP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
 *** A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.

MOVE MMH-ROUTE-SETTLE TO CNP-METH-PAY.

MOVE 'P' TO PDR-MODIFIER.
 MOVE 'C' TO RO-METHOD.

G120-CHECK-ITEMS-EXIT.
 EXIT.

G130-PAPER-ITEMS.

*** PAPER CHECK PAYABLE THRU CONSUMER.
 *** ALSO KNOWN AS A PAPER DRAFT.

ADD 1 TO TFR-COL-PPR-ITEMS

002579	05/25/91
002580	
002581	
002582	05/25/91
002583	05/25/91
002584	05/25/91
002585	05/25/91
002586	05/25/91
002587	05/25/91
002588	
002589	
002590	05/25/91
002591	
002592	
002593	
002594	
002595	
002596	
002597	
002598	
002599	
002600	
002601	
002602	
002603	
002604	
002605	
002606	05/25/91
002607	
002608	
002609	
002610	05/25/91
002611	
002612	
002613	
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002628	
002629	05/25/91

TFR-RMT-PPR-ITEMS.
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-COL-PPR-DOLLARS
TFR-RMT-PPR-DOLLARS.
MOVE MRR-ABRV TO PDR-MRCH-ABRV.

M CHP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
M A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.

MOVE '99' TO CHP-METH-PAY.

MOVE 'F' TO PDR-MODIFIER.

MOVE 'P' TO RO-METHOD.

G130-PAPER-ITEMS-EXIT.
EXIT.

G140-ACH-ITEMS.

MRR ACH PAYABLE THRU CHECKFREE.

ADD 1 TO TFR-COL-ACH-ITEMS

CF-CF-MTH-ITEMS

CF-CF-VTD-ITEMS.

ADD WS-77-HOLD-PAY-AMOUNT TO

TFR-COL-ACH-DOLLARS

CF-CF-VTD-BAL.

MOVE CP-MRCH-NAME TO PDR-MRCH-ABRV.

M CHP-METH-PAY SHOULD BE SAME AS PDR-MRCH-SETTLE UNLESS
M A PAPER DRAFT IS BEING CREATED, THEN IT SHOULD BE '99'.

MOVE MRR-ROUTE-SETTLE TO CHP-METH-PAY.

MOVE 'A' TO RO-METHOD.

IF NIGHT-ACH

MOVE 'E' TO PDR-MODIFIER

ELSE

MOVE 'D' TO PDR-MODIFIER.

G140-ACH-ITEMS-EXIT.
EXIT.

M THIS MODULE WRITES A HISTORY RECORD OF WHO, WHAT, AND HOW
M MUCH WAS PAID FOR A CONSUMER IN THIS DRAFT PROGRAM.

G150-WRITE-HISTORY.

MOVE PDR-CUST-SSN TO CHP-SSN.

002630	05/25/91
002631	
002632	05/25/91
002633	
002634	05/25/91
002635	
002636	
002637	
002638	
002639	
002640	
002641	
002642	
002643	
002644	
002645	
002646	
002647	
002648	
002649	
002650	05/25/91
002651	
002652	
002653	
002654	
002655	05/25/91
002656	
002657	
002658	
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002680	

MOVE PDR-MRCH-PHONE TO CHP-CROSS-R-PHONE.
MOVE PDR-MRCH-CR-PHONE TO CHP-CRCK-CR-PHONE.
MOVE PDR-LAST-NAME TO CHP-LAST-NAME.
MOVE PDR-FIRST-NAME TO CHP-FIRST-NAME.
MOVE PDR-MID-INIT TO CHP-MID-INIT.
MOVE PDR-MRCH-PHONE TO CHP-MRCH-PHONE.
MOVE PDR-MRCH-CR-PHONE TO CHP-MRCH-CR-PHONE.
MOVE PDR-NAME TO CHP-MRCH-NAME.
MOVE PDR-AMT TO CHP-MRCH-AMT.
MOVE PDR-PROC-DATE TO CHP-PAY-DATE.
MOVE PDR-CUST-ACCT TO CHP-ACCT-NBR.
MOVE PDR-JUL-DATE TO CHP-JUL-DATE
MOVE ZEROS TO CHP-CHECK-NBR
CHP-RTN-DATE.
MOVE SPACES TO CHP-RTN-REASON
CHP-RTN-STATUS
CHP-RTN-COMMENT.
MOVE CP-LAST-TRANS-DATE TO CHP-LST-TRANS-DATE.
MOVE PDR-TRACK-NBR TO CHP-TRACK-NBR.
MOVE * INSERT INTO 1006 IN PARAGRAPH 0150.
TO STEP-DENOTER.

EXEC SQL INSERT
INTO 1006 CONS_MIST_PAY

(CHP_SSN,
CHP_CROSS_R_PHONE,
CHP_CHK_CR_PHONE,
CHP_LAST_NAME,
CHP_FIRST_NAME,
CHP_MID_INIT,
CHP_MRCH_PHONE,
CHP_MRCH_CR_PHONE,
CHP_MRCH_NAME,
CHP_MRCH_AMT,
CHP_PAY_DATE,
CHP_METH_PAY,
CHP_ACT_NBR,
CHP_JUL_DATE,
CHP_CHECK_NBR,
CHP_RTN_DATE,
CHP_RTN_REASON,
CHP_RTN_STATUS,
CHP_RTN_COMMENT,
CHP_LST_TRANS_DATE,
CHP_TRACK_NBR)

VALUES

(:CHP_SSN,
:CHP-CROSS-R-PHONE,
:CHP-CHK-CR-PHONE,
:CHP-LAST-NAME,
:CHP-FIRST-NAME,

002601	05/25/91
002602	
002603	
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002606	
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002608	
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002690	
002691	
002692	
002693	
002694	
002695	
002696	
002697	
002698	
002699	
002700	05/25/91
002701	
002702	
002703	
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002707	
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002719	
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002723	
002724	05/25/91
002725	05/25/91
002726	
002727	
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002729	
002730	
002731	

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:CHP-MID-INIT,
:CHP-MRCH-PHONE,
:CHP-MRCH-CR-PHONE,
:CHP-MRCH-NAME,
:CHP-MRCH-AMT,
:CHP-PAY-DATE,
:CHP-METH-PAY,
:CHP-ACCT-NBR,
:CHP-JUL-DATE,
:CHP-CHECK-NBR,
:CHP-RTN-DATE,
:CHP-RTN-REASON,
:CHP-RTN-STATUS,
:CHP-RTN-COMMENT,
:CHP-LST-TRANS-DATE,
:CHP-TRACK-NBR)

END-EXEC.
GL50-WRITE-HISTORY-EXIT.
EXIT.

```

```

0200-CREATE-MRCH-CREDIT.
MOVE 1 TO PDR-DB-CR-CODE.
MOVE '1' TO PDR-STATUS
IF NMR-ROUTE-SETTLE = '01' OR '02' OR '03'
MOVE 'S' TO PDR-MODIFIER
MOVE NMR-NAME TO PDR-MRCH-ABRV
PERFORM CHECK-EFT-CODE THRU CHECK-EXIT
ADD 1 TO
TFR-RMT-CHK-ITEMS
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-RMT-CHK-DOLLARS
MOVE '9500000000' TO PDR-COMPANY-NBR
ELSE
MOVE NMR-MC-MERCHANT-ID TO PDR-COMPANY-NBR
MOVE NMR-ABRV TO PDR-MRCH-ABRV
MOVE NMR-BANK-ACCT TO PDR-ACCT-NBR
MOVE NMR-RT-NBR TO PDR-ROUTE-TRANS
IF STLCODE-IN-TABLE
IF NMR-ROUTE-SETTLE = '13'
MOVE 'M' TO PDR-MODIFIER
ADD 1 TO
TFR-TBL-SC-ITEMS (TFR-IDX)
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-TBL-SC-DOLLARS (TFR-IDX)
ELSE
MOVE 'R' TO PDR-MODIFIER
ADD 1 TO
TFR-TBL-SC-ITEMS (TFR-IDX)
ADD WS-77-HOLD-PAY-AMOUNT TO
TFR-TBL-SC-DOLLARS (TFR-IDX)

```

002732	05/25/91
002733	05/25/91
002734	05/25/91
002735	05/25/91
002736	05/25/91
002737	05/25/91
002738	05/25/91
002739	05/25/91
002740	05/25/91
002741	05/25/91
002742	05/25/91
002743	05/25/91
002744	05/25/91
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002773	05/25/91
002774	05/25/91
002775	05/25/91
002776	05/25/91
002777	05/25/91
002778	05/25/91
002779	05/25/91
002780	05/25/91
002781	05/25/91
002782	05/25/91

```

END-IF
ELSE
  ADD 1 TO
    TFR-RMT-ACH-ITEMS
  ADD WS-77-HOLD-PAY-AMOUNT TO
    TFR-RMT-ACH-DOLLARS
  IF NIGHT-ACH
    MOVE 'E' TO PDR-MODIFIER
  ELSE
    MOVE 'B' TO PDR-MODIFIER
  END-IF
END-IF.

```

```

MOVE CP-NRCH-PHONE TO PDR-NRCH-PHONE
MOVE CP-NRCH-CR-PHONE TO PDR-NRCH-CR-PHONE
MOVE HMR-REMIT-ADDR1 TO PDR-NRCH-ADDR1
MOVE HMR-REMIT-ADDR2 TO PDR-NRCH-ADDR2
MOVE HMR-REMIT-CITY TO PDR-NRCH-CITY
MOVE HMR-REMIT-ST TO PDR-NRCH-STATE
MOVE HMR-REMIT-ZIP TO PDR-NRCH-ZIP
MOVE HMR-ROUTE-SETTLE TO PDR-NRCH-SETTLE
MOVE CP-SSN TO PDR-CUST-SSN
MOVE CF-FIRST-NAME TO PDR-FIRST-NAME
MOVE CF-LAST-NAME TO PDR-LAST-NAME
MOVE CF-MID-INIT TO PDR-MID-INIT
MOVE CP-ACCT-NBR TO PDR-CUST-ACCT
MOVE 'C' TO PDR-CHECK-SAVE
MOVE WS-77-HOLD-PAY-DATE TO PDR-PROC-DATE
MOVE WS-77-HOLD-PAY-AMOUNT TO PDR-AMT
MOVE 'PAYMENT' TO PDR-DESCRIPTION
MOVE WS-TRACE-NBR TO WS-77-TRACE-NBR.
MOVE WS-77-TRACE-NBR TO PDR-JUL-DATE.
MOVE 'M' TO PDR-TRANSFEE.
MOVE PDR-JUL-DATE TO TRACKING-JULIAN-DATE.
PERFORM TRACKING-NBR-CALC
THRU TRACKING-NBR-CALC-EXIT.
MOVE TRACKING-NBR-ENC TO PDR-TRACK-NBR.
MOVE SPACES TO PDR-ORIGIN.
PERFORM G900-WRITE-TRANHOLD
THRU G900-WRITE-TRANHOLD-EXIT.
G200-CREATE-NRCH-CREDIT-EXIT.
EXIT.

```

```

G900-WRITE-TRANHOLD.
MOVE WS-LAST-COMMIT-COUNT TO PB-DRAFT-COMMIT-KEY
WRITE PB-DRAFT-RECORD.
G900-WRITE-TRANHOLD-EXIT.
EXIT.

```

002703	05/25/91
002704	
002705	
002706	05/25/91
002707	
002708	05/25/91
002709	
002790	
002791	05/25/91
002792	05/25/91
002793	05/25/91
002794	05/25/91
002795	05/25/91
002796	
002797	
002798	
002799	
002800	
002801	
002802	
002803	
002804	
002805	
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002807	
002808	
002809	
002810	
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002816	
002817	05/25/91
002818	05/25/91
002819	05/25/91
002820	05/25/91
002821	05/25/91
002822	05/25/91
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002829	
002830	03/13/91
002831	
002832	
002833	

 * THE FOLLOWING MODULE UPDATES T001_CONSUMER_FILE AND *
 * T002_CONSUMER_PAY WITH NEW PAYMENT INFORMATION AND *
 * PROCESSING TOTAL INFORMATION. *

H100-UPDATE-TABLES.

MOVE 'UPDATE OF T002 IN PARAGRAPH H100.
 TO STEP-DENOTER.

IF CP-PAY-TYPE EQUAL 'F' OR
 CP-PAY-TYPE EQUAL 'V'

IF NOT TEST-PCN

EXEC SQL UPDATE T002_CONSUMER_PAY

SET CP_MRCH_AMT = CP_MRCH_AMT,
 CP_MRCH_PAY_DATE = CP_MRCH_PAY_DATE,
 CP_NBR_REMAIN = CP_NBR_REMAIN,
 CP_CHG_DATE = CP_CHG_DATE,
 CP_CHG_AMT = CP_CHG_AMT,
 WHERE CP_SSN = CP_SSN

AND CP_CHK_PHONE = CP_CHK_PHONE
 AND CP_CHK_CR_PHONE = CP_CHK_CR_PHONE
 AND CP_MRCH_PHONE = CP_MRCH_PHONE
 AND CP_MRCH_CR_PHONE = CP_MRCH_CR_PHONE
 AND CP_PAY_TYPE = CP_PAY_TYPE

END-EXEC
 END-IF

ELSE

MOVE CP-PAY-TYPE TO WS-DEL-PAY-TYPE
 MOVE WS-DELETED-DATE TO RO-EXTRA-PAYMENT
 MOVE 'DELETE FROM T002 IN PARAGRAPH H100.
 TO STEP-DENOTER

IF NOT TEST-PCN
 EXEC SQL DELETE FROM T002_CONSUMER_PAY
 WHERE CP_SSN = CP_SSN

AND CP_CHK_PHONE = CP_CHK_PHONE
 AND CP_CHK_CR_PHONE = CP_CHK_CR_PHONE

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002081

002082

002083

002084

03/13/91

05/25/91

05/25/91

04/14/91

05/25/91

```

CP_MRCH_PHONE = : CP_MRCH_PHONE
AND
CP_MRCH_CR_PHONE = : CP_MRCH_CR_PHONE
AND
CP_PAY_TYPE = : CP_PAY_TYPE
AND
CP_ACCT_NBR = : CP_ACCT_NBR
END-EXEC
END-IF.

```

MOVE 'UPDATE OF 1001 IN PARAGRAPH H100.
TO STEP-DENOTER.

IF NOT TEST-PCN
EXEC SQL UPDATE 1001 CONSUMER_FILE

```

SET CF_CF_MTH_ITEMS = : CF_CF_MTH_ITEMS,
CF_CF_MTH_BAL = : CF_CF_MTH_BAL,
CF_CF_YTD_ITEMS = : CF_CF_YTD_ITEMS,
CF_CF_YTD_BAL = : CF_CF_YTD_BAL,
CF_TOT_MTH_ITEMS = : CF_TOT_MTH_ITEMS,
CF_TOT_MTH_BAL = : CF_TOT_MTH_BAL,
CF_TOT_YTD_ITEMS = : CF_TOT_YTD_ITEMS,
CF_TOT_YTD_BAL = : CF_TOT_YTD_BAL,
WHERE CF_SSN = : CF_SSN
AND
CF_CHK_ID = : CF_CHK_ID

```

END-EXEC
END-IF.

H100-UPDATE-TABLES-EXIT.
EXIT.

```

*****
* THE FOLLOWING MODULES PRODUCE THE CHECKFREE CREDIT OFFSETS
* FOR EACH DATE IN THE INTERNAL PAYMENT TABLE THAT HAS ACH
* ITEMS.
*****

```

H100-CREDIT-OFFSETS.

```

MOVE ZERO TO ACH-OFFSET-DOLLARS.
ADD TFR-RMT-ACH-DOLLARS TO ACH-OFFSET-DOLLARS.
ADD TFR-RMT-CHK-DOLLARS TO ACH-OFFSET-DOLLARS.
SET TFR-IDX TO 1.
PERFORM
  VARYING TFR-IDX FROM 1 BY 1
  UNTIL TFR-IDX GREATER THAN TRANSFER-TBL-ENTRIES
  ADD TFR-TBL-SC-DOLLARS (TFR-IDX) TO ACH-OFFSET-DOLLARS
END-PERFORM.
IF ACH-OFFSET-DOLLARS GREATER THAN ZERO
  NEXT SENTENCE
ELSE

```

002005	05/25/91
002006	
002007	
002008	
002009	
002010	
002011	05/25/91
002012	
002013	05/25/91
002014	
002015	
002016	
002017	
002018	
002019	
002020	
002021	
002022	
002023	05/25/91
002024	05/25/91
002025	05/25/91
002026	05/25/91
002027	05/25/91
002028	05/25/91
002029	05/25/91
002030	05/25/91
002031	05/25/91
002032	05/25/91
002033	05/25/91
002034	05/25/91
002035	

GO TO I100-CREDIT-OFFSETS-EXIT.

MOVE I.	TO	PDR-DB-CR-CODE.	002936	05/25/91
MOVE 'I'.	TO	PDR-STATUS.	002937	05/25/91
IF NIGHT-ACH			002938	
MOVE 'E'.	TO	PDR-MODIFIER	002939	
ELSE			002940	
MOVE 'B'.	TO	PDR-MODIFIER.	002941	
MOVE 6148986000	TO	PDR-MRCH-PHONE.	002942	
MOVE 001	TO	PDR-MRCH-CR-PHONE.	002943	
MOVE 'CHECKFREE TECH.'	TO	PDR-MRCH-ABRV.	002944	
MOVE '720 GREENCREST'	TO	PDR-MRCH-ADDR1.	002945	
MOVE SPACES	TO	PDR-MRCH-ADDR2.	002946	
MOVE 'WESTERVILLE'	TO	PDR-MRCH-CITY.	002947	
MOVE 'OH'.	TO	PDR-MRCH-STATE.	002948	
MOVE 430810000	TO	PDR-MRCH-ZIP.	002949	
MOVE '14'.	TO	PDR-MRCH-SETTLE.	002950	
MOVE ZEROS	TO	PDR-CUST-SSN.	002951	
MOVE 'CHECKFREE'	TO	PDR-FIRST-NAME.	002952	
MOVE 'CREDIT'	TO	PDR-LAST-NAME.	002953	
MOVE SPACE	TO	PDR-MID-INIT.	002954	
MOVE ZEROS	TO	PDR-CUST-ACCT.	002955	
MOVE 044000037	TO	PDR-ROUTE-TRANS.	002956	
MOVE '10-72049'	TO	PDR-ACCT-NBR.	002957	
MOVE 'C'.	TO	PDR-CHECK-SAVE.	002958	
MOVE SQL-DRAFT-DATE	TO	PDR-PROC-DATE.	002959	
MOVE ACH-OFFSET-DOLLARS	TO	PDR-AMT.	002960	
MOVE 'CHK CREDIT'	TO	PDR-DESCRIPTION.	002961	05/25/91
MOVE '1357369475'	TO	PDR-COMPANY-NBR.	002962	05/25/91
MOVE WS-TRACE-NBR	TO	WS-77-TRACE-NBR.	002963	
MOVE WS-77-TRACE-NBR	TO	PDR-JUL-DATE.	002964	
MOVE 'N'.	TO	PDR-TRANSFEE.	002965	
MOVE PDR-JUL-DATE	TO	TRACKING-JULIAN-DATE.	002966	
PERFORM TRACKING-NDR-CALC			002967	
THRU TRACKING-NDR-CALC-EXIT.			002968	05/25/91
MOVE TRACKING-NDR-ENC	TO	PDR-TRACK-NBR.	002969	05/25/91
MOVE SPACES	TO	PDR-ORIGIN.	002970	05/25/91
PERFORM G900-WRITE-TRANHOLD			002971	05/25/91
THRU G900-WRITE-TRANHOLD-EXIT.			002972	05/25/91
I100-CREDIT-OFFSETS-EXIT.			002973	
EXIT.			002974	
			002975	05/25/91
			002976	
			002977	
			002978	
			002979	
			002980	
			002981	
			002982	
			002983	
			002984	
			002985	
			002986	

 * THE FOLLOWING MODULES CREATE THE SUMMARY REPORTS. *

J200-WRITE-GRAND-SUMMARY.
 MOVE 'OVERALL' TO SUM-DRAFT-DATE.
 ADD 1 TO WS-SUMMARY-PAGE-COUNT.
 MOVE WS-SUMMARY-PAGE-COUNT TO SUM-PAGE-NUMBER.

COMMAND	DATE
MOVE SPACES TO SUMMARY-REPORT-LINE.	002907
MOVE SUM-HEADING-1 TO SUMMARY-REPORT-LINE.	002908
MOVE *+ TO CC-LINE	002909
MOVE 0 TO ADVANCE-AMOUNT	002900
PERFORM J900-WRITE-SUM-PAGE	002901
THRU J800-WRITE-SUM-PAGE-EXIT.	002902
MOVE SPACES TO SUMMARY-REPORT-LINE.	002903
MOVE SUM-HEADING-2 TO SUMMARY-REPORT-LINE.	002904
MOVE *+ TO CC-LINE	002905
MOVE 1 TO ADVANCE-AMOUNT	002906
PERFORM J900-WRITE-SUM-LINE	002907
THRU J900-WRITE-SUM-LINE-EXIT.	002908
MOVE SPACES TO SUMMARY-REPORT-LINE.	002909
MOVE SUM-HEADING-3 TO SUMMARY-REPORT-LINE.	003000
MOVE *+ TO CC-LINE	003001
MOVE 1 TO ADVANCE-AMOUNT	003002
PERFORM J900-WRITE-SUM-LINE	003003
THRU J900-WRITE-SUM-LINE-EXIT.	003004
MOVE SPACES TO SUMMARY-REPORT-LINE.	003005
MOVE SUM-HEADING-4 TO SUMMARY-REPORT-LINE.	003006
MOVE *0 TO CC-LINE	003007
MOVE 2 TO ADVANCE-AMOUNT	003008
PERFORM J900-WRITE-SUM-LINE	003009
THRU J900-WRITE-SUM-LINE-EXIT.	003010
WRITE PAPER ITEMS LINE	003011
MOVE SPACES	003012
MOVE *PAPER.	003013
MOVE *COLLECTIONS.	003014
MOVE *FOR.	003015
MOVE TFR-COL-PPR-ITEMS	003016
MOVE TFR-COL-PPR-DOLLARS	003017
MOVE *PAPER.	003018
MOVE *REMITTANCES.	003019
MOVE *FOR.	003020
MOVE TFR-RMT-PPR-ITEMS	003021
MOVE TFR-RMT-PPR-DOLLARS	003022
MOVE SUM-DETAIL	003023
MOVE *0.	003024
MOVE 2	003025
PERFORM J900-WRITE-SUM-LINE	003026
THRU J900-WRITE-SUM-LINE-EXIT.	003027
WRITE CHECK ITEMS LINE	003028
MOVE SPACES	003029
MOVE *CHECK.	003030
MOVE *COLLECTIONS.	003031
MOVE *FOR.	003032
MOVE TFR-COL-CHK-ITEMS	003033
MOVE TFR-COL-CHK-DOLLARS	003034
MOVE *CHECK.	003035
TO SUM-RMT-TYPE-LIT.	003036
TO SUM-DETAIL.	003037
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91
TO SUM-RMT-TYPE-LIT.	05/25/91
TO SUM-DETAIL.	05/25/91
TO SUM-COL-TYPE-LIT.	05/25/91
TO SUM-COL-COL-LIT.	05/25/91
TO SUM-COL-FOR-LIT.	05/25/91
TO SUM-COL-ITEMS.	05/25/91
TO SUM-COL-DOLLARS.	05/25/91
TO CC-LINE.	05/25/91
TO ADVANCE-AMOUNT.	05/25/91


```

MOVE 'RENTANCES' TO SUM-RMT-RMT-LIT.
MOVE 'FOR' TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-CHK-ITEMS TO SUM-RMT-ITEMS.
MOVE TFR-RMT-CHK-DOLLARS TO SUM-RMT-DOLLARS.
MOVE SUM-DETAIL TO SUMMARY-REPORT-LINE.
MOVE '0' TO CC-LINE.
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.

```

```

* WRITE ACH ITEMS LINE
MOVE SPACES TO SUM-DETAIL.
MOVE 'ACH' TO SUM-COL-TYPE-LIT.
MOVE 'COLLECTIONS' TO SUM-COL-COL-LIT.
MOVE 'FOR' TO SUM-COL-FOR-LIT.
MOVE TFR-COL-ACH-ITEMS TO SUM-COL-ITEMS.
MOVE TFR-COL-ACH-DOLLARS TO SUM-COL-DOLLARS.
MOVE 'ACH' TO SUM-RMT-TYPE-LIT.
MOVE 'RENTANCES' TO SUM-RMT-RMT-LIT.
MOVE 'FOR' TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-ACH-ITEMS TO SUM-RMT-ITEMS.
MOVE TFR-RMT-ACH-DOLLARS TO SUM-RMT-DOLLARS.
MOVE SUM-DETAIL TO SUMMARY-REPORT-LINE.
MOVE '0' TO CC-LINE.
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.

```

```

* START COLLECTIONS TOTAL LINE
MOVE SPACES TO SUM-DETAIL.
MOVE 'TOTAL' TO SUM-COL-TYPE-LIT.
MOVE 'COLLECTIONS' TO SUM-COL-COL-LIT.
MOVE 'FOR' TO SUM-COL-FOR-LIT.
MOVE TFR-COL-TOT-ITEMS TO SUM-COL-ITEMS.
MOVE TFR-COL-TOT-DOLLARS TO SUM-COL-DOLLARS.
SET TFR-IDX TO 1.
PERFORM J300-WRITE-STLCODE-SUM
THRU J300-WRITE-STLCODE-SUM-EXIT
UNTIL TFR-IDX GREATER THAN TRANSFER-TBL-ENTRIES.
VARYING TFR-IDX FROM 1 BY 1
MOVE 'TOTAL' TO SUM-RMT-TYPE-LIT.
MOVE 'RENTANCES' TO SUM-RMT-RMT-LIT.
MOVE 'FOR' TO SUM-RMT-FOR-LIT.
MOVE TFR-RMT-TOT-ITEMS TO SUM-RMT-ITEMS.
MOVE TFR-RMT-TOT-DOLLARS TO SUM-RMT-DOLLARS.
MOVE SUM-DETAIL TO SUMMARY-REPORT-LINE.
MOVE '0' TO CC-LINE.
MOVE 2 TO ADVANCE-AMOUNT.
PERFORM J900-WRITE-SUM-LINE
THRU J900-WRITE-SUM-LINE-EXIT.
J200-WRITE-GRAND-SUMMARY-EXIT.

```

003038	05/25/91
003039	05/25/91
003040	05/25/91
003041	05/25/91
003042	05/25/91
003043	05/25/91
003044	05/25/91
003045	
003046	
003047	05/25/91
003048	05/25/91
003049	05/25/91
003050	05/25/91
003051	05/25/91
003052	05/25/91
003053	05/25/91
003054	05/25/91
003055	05/25/91
003056	05/25/91
003057	05/25/91
003058	05/25/91
003059	05/25/91
003060	05/25/91
003061	05/25/91
003062	05/25/91
003063	
003064	
003065	05/25/91
003066	05/25/91
003067	05/25/91
003068	05/25/91
003069	05/25/91
003070	05/25/91
003071	05/25/91
003072	05/25/91
003073	05/25/91
003074	05/25/91
003075	05/25/91
003076	05/25/91
003077	05/25/91
003078	05/25/91
003079	05/25/91
003080	05/25/91
003081	05/25/91
003082	05/25/91
003083	05/25/91
003084	05/25/91
003085	05/25/91
003086	
003087	
003088	

MOVE CP-LAST-TRANS-DATE TO DRAFT-LAST-TRANS-DATE.
 IF CP-NBR-REMAIN NEGATIVE
 MOVE 999 TO DRAFT-NO-PRINTS-REMAIN
 ELSE
 MOVE CP-NBR-REMAIN TO DRAFT-NO-PRINTS-REMAIN.
 MOVE CP-HRCH-NAME TO DRAFT-HRCH-NAME.

IF CP-PAY-TYPE = 'F'
 MOVE ZEROS TO DRAFT-PAY-AMT-LST-CHG
 MOVE ZEROS TO DRAFT-PAY-DATE-LST-CHG
 ELSE

IF (CP-PAY-TYPE = 'V' OR
 CP-PAY-TYPE NUMERIC)
 MOVE CP-CHG-DATE TO DRAFT-NEW-DATE
 MOVE CP-CHG-AMT TO DRAFT-NEW-AMT
 IF (CP-HRCH-AMT > 0 AND
 CP-HRCH-PAY-DATE > 0)

MOVE CP-HRCH-AMT TO DRAFT-PAY-AMT-LST-CHG
 MOVE CP-HRCH-PAY-DATE TO DRAFT-PAY-DATE-LST-CHG
 ELSE
 MOVE ZEROS TO DRAFT-PAY-AMT-LST-CHG
 MOVE ZEROS TO DRAFT-PAY-DATE-LST-CHG.

IF CP-PAY-TYPE = 'F' OR 'V'
 MOVE CP-PAY-TYPE TO DRAFT-PAY-TYPE
 ELSE
 MOVE 'V' TO DRAFT-PAY-TYPE.

PERFORM K150-WRITE-DRAFTITEM
 THRU K150-WRITE-DRAFTITEM-EXIT.

THE FOLLOWING FIELDS ARE BEING INITIALIZED FOR NOW AND WILL
 BE USED LATER IN PHASE 2.

MOVE ZEROS TO DRAFT-RECORD.
 MOVE SPACES TO DRAFT-HRCH-DELETE,
 DRAFT-HRCH-REMEMONIC,
 DRAFT-PAY-TYPE,
 DRAFT-PAY-STATUS,
 DRAFT-HRCH-NAME,
 DRAFT-CHECK-DIGIT.
 003140 11/14/90
 003141 11/14/90
 003142 11/14/90
 003143 11/14/90
 003144 11/14/90
 003145 11/14/90
 003146 11/14/90
 003147 11/14/90
 003148 11/14/90
 003149 11/14/90
 003150 11/14/90
 003151 11/14/90
 003152 11/14/90
 003153 11/14/90
 003154 11/14/90
 003155 11/14/90
 003156 11/14/90
 003157 11/14/90
 003158 11/14/90
 003159 11/14/90
 003160 11/14/90
 003161 11/14/90
 003162 11/14/90
 003163 11/14/90
 003164 11/14/90
 003165 11/14/90
 003166 11/14/90
 003167 11/14/90
 003168 11/14/90
 003169 11/14/90
 003170 11/14/90
 003171 11/14/90
 003172 11/14/90
 003173 11/14/90
 003174 11/14/90
 003175 11/14/90
 003176 11/14/90
 003177 11/14/90
 003178 11/14/90
 003179 11/14/90
 003180 11/14/90
 003181 11/14/90
 003182 11/14/90
 003183 11/14/90
 003184 11/14/90
 003185 11/14/90
 003186 11/14/90
 003187 11/14/90
 003188 11/14/90
 003189 11/14/90
 003190 11/14/90

K100-DRAFTITEM-RECORD-EXIT.
 EXIT.

K150-WRITE-DRAFTITEM.

MOVE WS-LAST-COMMIT-COUNT TO DRAFTITEM-COMMIT-KEY
 WRITE DRAFTITEM-RECORD FROM DRAFT-RECORD.

K150-WRITE-DRAFTITEM-EXIT.

EXIT.

9000-COMMIT-WORK.

DISPLAY '#####' WS-TOTALS
PERFORM 9200-WRITE-PAY-TBL THRU 9200-EXIT
THRU TRACKING-NBR-SAVE-EXIT.

MOVE 'UPDATING 1900-PROG-CONTROL' TO STEP-DENOTER.

EXEC SQL
UPDATE 1900-PROG-CONTROL
SET PC_LAST_COMMIT_KEY = :PC-LAST-COMMIT-KEY,
PC_RESTART_MODE = :PC-RESTART-MODE
WHERE PC_PROGRAM_NAME = :WS-PROGRAM-NAME
END-EXEC.

EVALUATE TRUE

WHEN SQLCODE = 0

EXEC SQL
COMMIT
END-EXEC

MOVE WS-PREVIOUS-SSN TO SQL-PREV-SSN

EXEC SQL
OPEN 1002

END-EXEC

WHEN SQLCODE = 100

GO TO ERCHCK

WHEN SQLCODE IS NEGATIVE

GO TO ERCHCK

END-EVALUATE.

9000-EXIT. EXIT.

9100-LOAD-PAY-TBL.

* LOAD RESTART ENTRIES FROM THE PAY TABLE FILE. EACH RECORD *
* CONTAINS THE INDEX POINTER, SO THAT THE RECORDS CAN BE *
* STORED DIRECTLY WHERE THEY WERE WRITTEN FROM. THIS ALSO *
* PROVIDES US WITH THE MOST RECENT OCCURRENCE OF AN ENTRY. *

OPEN INPUT PAY-TABLE-INPUT

MOVE ZERO TO TRAMFEE-TBL-ENTRIES.

SET NOT-END-OF-TBLIN TO TRUE.

READ PAY-TABLE-INPUT INTO TRAMFEE-PAY-TABLE-REC

AT END

SET END-OF-TBLIN TO TRUE.

003191	05/13/91
003192	05/13/91
003193	05/13/91
003194	05/13/91
003195	05/13/91
003196	05/13/91
003197	05/13/91
003198	05/25/91
003199	05/25/91
003200	05/13/91
003201	05/13/91
003202	05/13/91
003203	05/13/91
003204	05/13/91
003205	05/13/91
003206	05/13/91
003207	05/13/91
003208	05/13/91
003209	05/13/91
003210	05/13/91
003211	05/13/91
003212	05/13/91
003213	05/13/91
003214	05/13/91
003215	05/13/91
003216	05/13/91
003217	05/13/91
003218	05/13/91
003219	05/13/91
003220	05/13/91
003221	05/13/91
003222	05/13/91
003223	05/13/91
003224	05/13/91
003225	05/13/91
003226	05/13/91
003227	05/13/91
003228	05/13/91
003229	05/13/91
003230	05/25/91
003231	05/25/91
003232	05/25/91
003233	05/25/91
003234	05/25/91
003235	05/25/91
003236	05/13/91
003237	05/25/91
003238	05/25/91
003239	05/25/91
003240	05/25/91
003241	05/25/91

```

PERFORM UNTIL END-OF-TBLIN
  MOVE TFR-PAY-TBL-NBR TO TRANFREE-CURR-ENTRY
  MOVE TFR-PAY-TBL-ENTRY
    TO TRANFREE-SC-ENTRY (TRANFREE-CURR-ENTRY)
  IF TRANFREE-CURR-ENTRY GREATER THAN TRANFREE-TBL-ENTRIES
    MOVE TRANFREE-CURR-ENTRY TO TRANFREE-TBL-ENTRIES
  END-IF
  READ PAY-TABLE-INPUT INTO TRANFREE-PAY-TABLE-REC
  AT END
    SET END-OF-TBLIN TO TRUE
  END-READ
END-PERFORM.

```

```

CLOSE PAY-TABLE-INPUT.
9100-EXIT. EXIT.

```

```

9200-WRITE-PAY-TBL.
  MOVE 1 TO TRANFREE-CURR-ENTRY.
  PERFORM VARYING TRANFREE-CURR-ENTRY FROM 1 BY 1
    UNTIL TRANFREE-CURR-ENTRY > TRANFREE-TBL-ENTRIES
  MOVE WS-LAST-COMMIT-COUNT TO TFR-PAY-TBL-COMMIT
  MOVE TRANFREE-SC-ENTRY (TRANFREE-CURR-ENTRY)
    TO TFR-PAY-TBL-ENTRY
  MOVE TRANFREE-CURR-ENTRY
    TO TFR-PAY-TBL-NBR
  WRITE PAY-TBL-OUTPUT-REC FROM TRANFREE-PAY-TABLE-REC
  END-PERFORM.

```

```

9200-EXIT. EXIT.

```

```

CHECK-EFT-CODE.
  IF NO-METHOD = 'P'
    MOVE CF-PAPR-RT-TRANS TO PDR-ROUTE-TRANS
    MOVE CF-PAPR-ACCT-NBR TO PDR-ACCT-NBR
  ELSE
    MOVE CF-ROUTE-TRANS TO PDR-ROUTE-TRANS
    MOVE CF-ACCT-NBR TO PDR-ACCT-NBR.
CHECK-EXIT. EXIT.

```

```

TRKRTMS
-INC FDATAITMS
ERRCHK.
-INC SQAERROR

```

003242	03/13/91
003243	05/25/91
003244	05/25/91
003245	05/25/91
003246	05/25/91
003247	05/25/91
003248	05/25/91
003249	05/25/91
003250	05/25/91
003251	05/25/91
003252	05/25/91
003253	05/25/91
003254	03/13/91
003255	05/25/91
003256	03/13/91
003257	03/13/91
003258	03/13/91
003259	05/25/91
003260	05/25/91
003261	05/25/91
003262	05/25/91
003263	05/25/91
003264	05/25/91
003265	05/25/91
003266	05/25/91
003267	05/25/91
003268	03/13/91
003269	03/13/91
003270	03/13/91
003271	
003272	04/20/91
003273	04/20/91
003274	04/20/91
003275	04/20/91
003276	04/20/91
003277	04/20/91
003278	04/20/91
003279	04/20/91
003280	05/25/91
003281	05/25/91
003282	05/25/91
003283	11/14/90
003284	
003285	
003286	11/14/90

[illegible][illegible][illegible]